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A49.9  
R31A  
Cap. 2

ARS-44-135

JANUARY 1964

D H I A  
SIRE SUMMARY LIST  
November 1963

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AYRSHIRE, GUERNSEY, HOLSTEIN, JERSEY, BROWN SWISS,  
AND MILKING SHORTHORN SIRES

Agricultural Research Service  
U. S. Department of Agriculture





# DHIA SIRE SUMMARY LIST NOVEMBER 1963

This DHIA Sire Summary List contains information for 144 Ayrshire, 780 Guernsey, 2,339 Holstein, 521 Jersey, 170 Brown Swiss, and 46 Milking Shorthorn sires. These summaries are compiled from data received by the Animal Husbandry Research Division, ARS, up to November 1, 1963. A sire summary record is compiled for a sire when 5 or more of his daughters have lactation records reported. This report contains summaries for the following categories: (1) new summaries (5 or more progeny available for the first time) (2) all AI sires reported as in service during 1962 and (3) sires for which special requests for summaries were received. No other sires with previous information were summarized.

All production records used in sire summary records consist of 305-day lactation records standardized to a mature-equivalent, twice-a-day milking basis. When more than one lactation record is available for a cow, each record is standardized and the average of all standardized lactation records is used to represent the performance of the cow. All incomplete records terminated by abortion or culling for low production or dairy purposes are extended to a 305-day basis and used in compiling the sire summaries.

The relative amount of herdmat data for the older sires may be less than that for the younger sires. The uniform DHIA herd coding system is of relatively recent origin and many records of older cows may lack this identification.

## EXPLANATION OF LISTED SIRE SUMMARIES

Summary data for the Ayrshire sire 107596, Alamo Crest Babe Ruth, listed on page 6, are as follows:

|                |                            |        |    |                  |    |        |     |     |       |        |     |  |  |
|----------------|----------------------------|--------|----|------------------|----|--------|-----|-----|-------|--------|-----|--|--|
| 107596         | ALAMO CREST BABE RUTH..... |        |    |                  |    |        |     |     |       |        |     |  |  |
| 09-24-51       | 77328                      | 294429 | 12 | NON-AI DAUGHTERS | 30 | 11,898 | 3.9 | 464 |       |        |     |  |  |
| AI STUD, 42-02 | LISTED, 08-63              |        | 12 | WITH HERDMATES   | 29 | 11,935 | 3.9 | 465 | 9     | 10,269 | 421 |  |  |
| STATES- 42     |                            |        |    |                  |    |        |     |     | DIFF. | 1666   | 44  |  |  |

To explain the sire summary above, Line 1 lists the registration number and name of the sire; Line 2 lists the birthdate of the sire, the registration number of his sire, and the registration number of his dam. (When a bull is summarized for the first time his name, birthdate, and registration numbers of his sire and dam are not available and therefore are not listed -- to illustrate: see Sire No. 110101 on page 6.) Pedigree information for each summarized sire is obtained from Herdbooks or the Breed Registry organization after the sire is summarized for the first time. This pedigree information is then included in the sire summary when the sire is retabulated.

"AI Stud, 42-02" (line 3) indicates that this sire is in AI service even though only natural-service progeny were available for summary. "Listed 08-63" indicates that the bull was last summarized in July 1963. "States- 42" (line 4) indicates that daughters were available exclusively from State code 42. A list of State codes is given on page 4.

The sire's summary includes the records of 12 non-AI daughters with a total of 30 lactation records. Herdmat data were available for all 12 of these daughters. The total 12 daughters had 30 records which averaged 11,898 pounds of milk, 3.9 percent butterfat, and 464 pounds of butterfat. Herdmat data were available for 29 records of the 12 daughters, averaging 11,935 pounds of milk, 3.9 percent butterfat, and 465 pounds of butterfat. The 12 daughters had an average of 9 herdmat per daughter. The average production of these herdmat was 10,369 pounds of milk and 421 pounds of butterfat. On the average the sire's daughters produced 1,666 pounds more milk and 44 pounds more butterfat than did their herdmat. (Negative differences from herdmat are indicated by preceding minus signs.)

The sire summary for the Holstein sire 975138, Pabst Rambler Walker, listed on page 54, is as follows:

|                        |                           |         |      |                  |      |        |     |     |       |        |     |        |  |
|------------------------|---------------------------|---------|------|------------------|------|--------|-----|-----|-------|--------|-----|--------|--|
| 975138                 | PABST RAMBLER WALKER..... |         |      |                  |      |        |     |     |       |        |     |        |  |
| 06-13-46               | 916876                    | 2054580 | 2075 | AI DAUGHTERS     | 3803 | 13,900 | 3.6 | 499 |       |        |     |        |  |
| AI STUD, 23-02         | LISTED, 08-63             |         | 2035 | WITH HERDMATES   | 3704 | 13,913 | 3.6 | 499 | 10    | 12,804 | 472 | 13,299 |  |
| STATES- 21,22,23,50,51 |                           |         |      |                  |      |        |     |     | DIFF. | 1109   | 27  |        |  |
|                        |                           |         | 71   | NON-AI DAUGHTERS | 268  | 13,245 | 3.5 | 457 |       |        |     |        |  |
|                        |                           |         | 36   | WITH HERDMATES   | 138  | 13,665 | 3.5 | 475 | 7     | 12,542 | 449 |        |  |
|                        |                           |         |      |                  |      |        |     |     | DIFF. | 1123   | 26  |        |  |

The above summary includes data for both AI and non-AI progeny. At the left, in addition to the data explained in the record for Sire No. 107596, the AI stud in which the sire was located is indicated as "AI Stud 23-02". The "23" indicates the State and the "08" indicates the stud within the State. On pages 3 and 4 are listed the AI studs by State and their respective code numbers.

This sire had 2075 AI daughters reported with 3803 records, and 2035 of these daughters had herdmat data available. The explanation of the daughters' production data and the herdmat data is similar to that given for Sire No. 107596.

In addition to the information presented for natural-service progeny, an additional measure of a sire's breeding worth is computed from the AI progeny data. This measure, listed under the heading "Predicted Average", can be used to compare AI sires which may have varying numbers of daughters occurring in different levels of herds, with respect to producing ability of the cows and to herd management conditions. This value is explained on the following page. Sire No. 975138 has a "Predicted Average" rating of 13,299 pounds of milk and 474 pounds of butterfat.

## Using the Sire Summary Data

The sire summary information pertains only to milk and butterfat production. When a non-AI sire evaluation is based on 5 to 9 daughter-herdmat comparisons, and an AI evaluation is based on 5 to 24 comparisons, these should be considered "preliminary".

Preliminary evaluations should be considered only as an indication and not conclusive evidence of the breeding value of a sire. Aside from the number of records involved, the reliability of the preliminary evaluations may be lessened due to inclusion of abnormally high proportions of records of heifers culled for low production during first lactation. Such records are received earlier than complete records initiated at corresponding dates. In general, if the data are unselected, the greater the number of comparisons of daughters versus herdmat included in an evaluation, the more reliable the evidence of the sire's breeding value. However, if a non-AI summary contains 25 unselected comparisons and an AI evaluation contains 50-60 unselected comparisons, additional data do not greatly increase the accuracy of ranking the sires according to breeding value.

In the use of the daughter-herdmat procedure, the desirable sire is one which markedly increases the production of his daughters over that of their herdmat. This is because the sire's daughters and their herdmat had an equal opportunity to produce. The difference of the production of a sire's daughters and their herdmat is roughly the same from one level of herd production to another. Generally, a sire with a markedly negative daughter-herdmat comparison should not be expected to raise the production level of a herd.

These production data for the daughters and their herdmat should be supplemented by additional information gathered from the herd (s) in which the daughters made their records. A personal evaluation of the herd management and feeding conditions in a herd where a daughter or group of daughters made their records is highly desirable when evaluating a natural-service sire.



Calculation of USDA-DHIA Sire Summary Data

The herdmate (or contemporary) comparison is useful because it removes from the evaluation of breeding value complications arising from herd, year and season of freshening variations in production.

Herd-year-seasons are based upon a five-month moving average. The appropriate average for the daughter of the sire is obtained by averaging all records of daughters of other sires calving in the herd in the same month as the daughters, in the previous two months, and in the succeeding two months. For example, the herdmate average for a sire's daughter calving in March would be obtained by averaging the production of all cows, except her paternal sisters, calving in that herd from January through May. All comparisons included in these summaries are on a within-breed basis.

Because the usefulness of the herdmate average is dependent in part upon the number of herdmates available, the herdmates' production is adjusted to place the herdmate data of daughters on a more comparable basis. For each individual lactation of a sire's daughter, the herdmates' average is corrected as follows:

$$\text{Adj. Herdmate Av.} = \text{Breed Season Av.} + \frac{\text{No. Herdmates}}{\text{No. Herdmates} + 1} (\text{Hermate Av.} - \text{Breed Season Av.})$$

The breed season averages are calculated from the nationwide 305 day-2X-ME DHIA lactation averages for cows of the breed in question calving in the years 1956-60. This is done for both milk and fat. If a daughter has several records, the Adjusted Herdmate Averages for all lactations are averaged.

Both natural-service sires and AI sires are summarized on the basis of the daughters' average minus the average of the Adjusted Herdmates' Averages. Under AI conditions, where a sire's daughters are scattered over many herds, additional adjustments can be made to the daughter-herdmate data to slightly increase the accuracy of comparing different sires used in AI. These procedures described here, as well as those for adjusting herdmate averages, follow those developed by C. R. Henderson and co-workers at Cornell University. The daughter-herdmate difference tends to decrease slightly algebraically as the production level of herds in which the bull is used increases. This is because those herds tend to have cows of somewhat higher producing ability. The following step adjusts for this phenomenon:

$$\text{Adj. Daughter Av.} = \text{Daughter Av.} - 0.9 (\text{Adj. Herdmate Av.} - \text{Breed Av.})$$

This step serves to increase (over the daughter-herdmate difference) the summary of a sire used in high-producing herds and to decrease the summary of an AI sire used in low-producing herds. The breed average production used is compiled from all DHIA cows of the breed calving from 1956-60 and is listed at the bottom of this page for each breed.

In order to compare bulls which have widely varying numbers of offspring, it is necessary to adjust the above value for each sire in accordance with the number of progeny available. The predicted average (predicted "breeding value") is calculated for the AI data of a sire as follows:

$$\text{Predicted Av.} = \text{Breed Av.} + \frac{\text{No. of daus.}}{\text{No. of daus.} + 12} (\text{Adj. Daughter Av.} - \text{Breed Av.})$$

This gives the final estimate of the breeding merit of an AI bull. With daughters scattered in many different herds, the reliability of this rating can approach maximum accuracy with a very large number of progeny. In contrast, where each bull's daughters are largely in a single herd, the accuracy of comparing sires is neither great nor materially enhanced by including more than 30 unselected progeny. The "Predicted Average" rating is an estimate of the average performance of many future daughters sired by the bull, where these progeny are unselected and scattered throughout all different types of herd-environmental conditions. The level is based upon nationwide DHIA conditions as a whole. The primary purpose of the "Predicted Average" evaluation is to compare or rank AI bulls as to estimated breeding value. It is the most reliable method currently available for this purpose. It is applicable to individual dairymen in their choice of AI sires since a given number of bulls will rank similarly in breeding value both within and throughout a large number of herds.

DISTRIBUTION OF PREDICTED AVERAGE

In the Appendix are given tables indicating the variability in the Predicted Average for milk and fat for AI sires. Table 1 for each breed presents stratifications of the Predicted Average for milk production for the AI sires. The second table for each breed gives a similar breakdown on Predicted Average for fat production.

These tables provide a means of rating any particular AI sire with respect to all AI sires of that breed summarized at the same time. For example, suppose that a particular Holstein AI sire had a Predicted Average rating of 13,500. In the Appendix table for Holsteins (milk production) we find that of the 493 Holstein AI sires summarized, 99.2% had a Predicted Average for milk production which was less than that of the sire we are considering (13,500). This means that, if we choose a Holstein AI sire with no regard to production, we have slightly less than one chance in a hundred of picking a sire genetically equal to or better than this bull.

DHIA 305-2X-ME BREED AVERAGES (1956-60)

| <u>Breed</u>      | <u>Milk</u> | <u>Fat</u> |
|-------------------|-------------|------------|
| Ayrshire          | 9497        | 383        |
| Guernsey          | 8430        | 405        |
| Holstein          | 12135       | 444        |
| Jersey            | 7910        | 413        |
| Brown Swiss       | 10750       | 441        |
| Milking Shorthorn | 8405        | 324        |
| Red Poll          | 7922        | 326        |
| Other             | 9744        | 417        |

## ARTIFICIAL-INSEMINATION ORGANIZATIONS IN THE UNITED STATES

DHIA Sire Summary Records, of sires in AI service, indicate by code number the last AI organization owning the sire. Following is a complete list of AI organizations that have operated in the United States (according to reports received in the Animal Husbandry Research Division). Some no longer exist, but sires in such organizations may be summarized in which case reference will be made to the organization in the sire summary data.

| STATE         |      |      | ORGANIZATION   |  | STATE        |      |      | ORGANIZATION   |  |
|---------------|------|------|--|--|--------------|------|------|--|--|
| Name          | Code | Code | Name   |  | Name         | Code | Code | Name   |  |
| Maine         | 11   | 01   | *Maine Breeding Cooperative, Inc.,<br>RFD #1, Augusta                    |  | Michigan     | 34   | 01   | *Michigan ABC, Inc., P. O. Box 511,<br>East Lansing                    |  |
| Maine         | 11   | 02   | Androscoggin Valley ABA  |  | Michigan     | 34   | 02   | Zeeland ABA  |  |
| Maine         | 11   | 03   | Androscoggin Valley & Central Maine ABA                                  |  | Michigan     | 34   | 03   | North Kent ABA   |  |
| Maine         | 11   | 04   | Central Maine ABA  |  | Michigan     | 34   | 04   | Grand Valley ABA   |  |
|               |      |      |  |  | Michigan     | 34   | 05   | Hillsdale ABA  |  |
| New Hampshire | 12   | 01   | New Hampshire ABA  |  | Wisconsin    | 35   | 01   | *Associated Breeding Service, Lena                                     |  |
| New Hampshire | 12   | 02   | Willow Spring ABA  |  | Wisconsin    | 35   | 02   | *Badger Breeders Cooperative,<br>Rt. 2, P. O. Box 469, Shawano         |  |
| New Hampshire | 12   | 03   | *New Hampshire-Vermont Breeding<br>Association, Concord                  |  | Wisconsin    | 35   | 03   | *East Central Breeders Assn. Coop.,<br>P. O. Box 191, Waupun           |  |
| Vermont       | 13   | 01   | Central Vermont ABA  |  | Wisconsin    | 35   | 04   | *Piper Brothers Farms, Inc.,<br>Watertown                              |  |
| Vermont       | 13   | 02   | Vermont Co-op. ABA, Inc.   |  | Wisconsin    | 35   | 05   | *Tri-State Breeders Coop., Westby                                      |  |
| Vermont       | 13   | 03   | Agri. Experimental Station ABA   |  | Wisconsin    | 35   | 06   | Southern Wisconsin Co-op. ABA  |  |
| Massachusetts | 14   | 01   | Massachusetts ABA, Inc.  |  | Wisconsin    | 35   | 07   | Clinton Stock Farm ABA, Inc.   |  |
| Massachusetts | 14   | 02   | Bristol Co. Farm Bureau Inc., ABA  |  | Wisconsin    | 35   | 08   | Dane Co-op. ABA  |  |
| Rhode Island  | 15   | 01   | Rhode Island Co-op. ABA, Inc.  |  | Wisconsin    | 35   | 09   | Dane Iowa Co-op. ABA   |  |
| Connecticut   | 16   | 01   | Connecticut ABA, Inc.  |  | Wisconsin    | 35   | 10   | Polk Co. Co-op. ABA  |  |
| Connecticut   | 16   | 02   | Fairfield-New Haven ABA  |  | Wisconsin    | 35   | 11   | Rock Co. ABA   |  |
| Connecticut   | 16   | 03   | Litchfield Co. ABA   |  | Wisconsin    | 35   | 12   | Trempealeau Co-op. ABA   |  |
| Connecticut   | 16   | 04   | *New England Selective Breeding Assn.,<br>Inc., Newton Road, Woodbridge  |  | Wisconsin    | 35   | 13   | Tri County ABA   |  |
|               |      |      |  |  | Wisconsin    | 35   | 14   | University of Wisconsin ABA  |  |
|               |      |      |  |  | Wisconsin    | 35   | 15   | Vernon Co. Co-op. ABA  |  |
|               |      |      |  |  | Wisconsin    | 35   | 16   | Wisconsin Experimental Breeding<br>Project                             |  |
| New York      | 21   | 01   | *New York ABC, Inc., Judd Falls Road,<br>Ithaca                          |  | Wisconsin    | 35   | 18   | Central Wisconsin Co-op. ABA   |  |
| New York      | 21   | 02   | Broome Tioga Co-op. ABA, Inc.  |  | Wisconsin    | 35   | 19   | Langlade Co. ABA   |  |
| New York      | 21   | 03   | Broome Co-op. ABA, Inc.  |  | Wisconsin    | 35   | 20   | Clark County ABA   |  |
| New York      | 21   | 04   | Cortland ABA, Inc.   |  | Wisconsin    | 35   | 75   | *American Breeders Service, Madison                                    |  |
| New York      | 21   | 05   | Roundout ABA   |  |              |      |      |  |  |
| New York      | 21   | 06   | Seneca Co-op. ABA, Inc.  |  | Minnesota    | 41   | 01   | *Minnesota Valley Breeders Associ-<br>ation, New Prague                |  |
| New York      | 21   | 07   | Sullivan Co. ABA   |  | Minnesota    | 41   | 02   | Minnesota Valley & Southern Minn.<br>ABA                               |  |
| New Jersey    | 22   | 01   | Sussex Co-op. Breeding Assn., Inc.                                       |  | Minnesota    | 41   | 03   | Northwest Minnesota ABA  |  |
| New Jersey    | 22   | 03   | *New Jersey Cooperative Breeders Assn.,<br>Inc., Annandale               |  | Minnesota    | 41   | 04   | Consolidated Breeders Co-op.   |  |
| New Jersey    | 22   | 04   | Morris Co. Co-op. ABA, Inc.  |  | Minnesota    | 41   | 05   | Barnum ABA   |  |
| New Jersey    | 22   | 05   | New Jersey Experiment Station ABA  |  | Minnesota    | 41   | 06   | Central Minnesota ABA  |  |
| New Jersey    | 22   | 06   | Plainsboro ABA   |  | Minnesota    | 41   | 07   | Floodwood Co-op. ABA   |  |
| New Jersey    | 22   | 07   | Burlington Co. ABA   |  | Minnesota    | 41   | 08   | North Minnesota ABA  |  |
| New Jersey    | 22   | 08   | Walker-Gordon ABA  |  | Minnesota    | 41   | 10   | Roseau Co. Creameries ABA  |  |
|               |      |      |  |  | Minnesota    | 41   | 11   | Tilney Farms ABA   |  |
| Pennsylvania  | 23   | 01   | *Zimmerman Dairy Farm, Lehighton   |  | Minnesota    | 41   | 12   | Villard Co-op. ABA   |  |
| Pennsylvania  | 23   | 02   | *First Pa. Artificial Breeding Coop-<br>erative, Rt. 1, Lewisburg        |  | Minnesota    | 41   | 13   | West St. Louis Co. ABA   |  |
| Pennsylvania  | 23   | 03   | Clarion Co. ABA  |  | Minnesota    | 41   | 14   | Land O'Lakes Creameries, Inc. ABA                                      |  |
| Pennsylvania  | 23   | 04   | *NEPA Artificial Breeding Cooperative, 9<br>Tunkhannock                  |  | Minnesota    | 41   | 16   | Watonswan Truman Co-op. Creamery                                       |  |
| Pennsylvania  | 23   | 05   | *Western Pa. ABC, Box 550, Clarion                                       |  | Minnesota    | 41   | 17   | Southern Minn. Breeding Federation                                     |  |
| Pennsylvania  | 23   | 06   | Golden Genes ABA, Inc.   |  | Minnesota    | 41   | 18   | Swink AB Corp.   |  |
| Pennsylvania  | 23   | 07   | *Lehigh Valley Coop. Farmers, Rt. 1,<br>Allentown                        |  | Minnesota    | 41   | 19   | Aitkin Co. ABA   |  |
| Pennsylvania  | 23   | 08   | *Southeastern Pa. ABC, Box 254,<br>Lancaster                             |  | Minnesota    | 41   | 20   | Friendly Valley ABA  |  |
|               |      |      |  |  | Minnesota    | 41   | 21   | North St. Louis Co. ABA  |  |
|               |      |      |  |  | Minnesota    | 41   | 22   | Pine Co. ABA   |  |
|               |      |      |  |  | Minnesota    | 41   | 25   | *Midwest Genes, Inc., Anoka  |  |
| Ohio          | 31   | 01   | *Central Ohio Breeding Association,<br>1224 Alton-Darby Road, Columbus 4 |  | Iowa         | 42   | 01   | Northwest Iowa Co-op. ABA  |  |
| Ohio          | 31   | 02   | *NOBA, Inc., P. O. Box 1015, Tiffin                                      |  | Iowa         | 42   | 02   | *Eastern Iowa Breeders, Hiawatha                                       |  |
| Ohio          | 31   | 03   | Trumbull-Ashtabula ABA   |  | Iowa         | 42   | 03   | Iowa Dairy Genetics, Inc.  |  |
| Ohio          | 31   | 04   | Western Ohio ABA   |  | Iowa         | 42   | 04   | Humboldt Co-op. ABA  |  |
| Ohio          | 31   | 05   | Northeast Ohio Co-op. ABA  |  | Iowa         | 42   | 05   | Linn Co. Co-op. ABA  |  |
| Ohio          | 31   | 06   | Northwest Ohio ABA   |  | Iowa         | 42   | 06   | North Iowa Co-op. ABA  |  |
|               |      |      |  |  | Iowa         | 42   | 07   | Western Iowa ABA   |  |
| Indiana       | 32   | 02   | *John A. Newman & Sons, R. R. 2,<br>Box 21, Culver                       |  | Iowa         | 42   | 08   | Iowa Breeders Co-op.   |  |
| Indiana       | 32   | 03   | Elkhart Co. ABA  |  | Iowa         | 42   | 09   | Palo Alto Co-op. ABA   |  |
| Indiana       | 32   | 04   | Harrison ABA   |  | Iowa         | 42   | 10   | Crawford Co. ABA   |  |
| Indiana       | 32   | 05   | Indiana ABA  |  | Missouri     | 43   | 01   | East Missouri ABA  |  |
| Indiana       | 32   | 06   | Indiana State Institutions ABA   |  | Missouri     | 43   | 02   | M. F. A. ABA   |  |
| Indiana       | 32   | 07   | LaPorte Co-op. ABA, Inc.   |  | Missouri     | 43   | 03   | Mid West ABA   |  |
| Indiana       | 32   | 08   | Harry Rosenbury ABA  |  | Missouri     | 43   | 04   | Missouri Dairy Breeders ABA  |  |
| Indiana       | 32   | 09   | Ross Farm ABA  |  | Missouri     | 43   | 05   | Southwest Missouri ABA   |  |
| Indiana       | 32   | 10   | Walter H. Ball ABA   |  | Missouri     | 43   | 06   | Trenton ABA  |  |
| Indiana       | 32   | 11   | Topeka ABA   |  | Missouri     | 43   | 08   | Osage Farms ABA  |  |
| Indiana       | 32   | 12   | Bottema Farms ABA  |  | Missouri     | 43   | 09   | AVA ABA  |  |
| Indiana       | 32   | 13   | Indianapolis Co-op. ABA  |  | South Dakota | 46   | 01   | South Dakota Co-op. ABA  |  |
| Indiana       | 32   | 14   | Producers Creamery ABA   |  |              |      |      |  |  |
| Indiana       | 32   | 15   | Steuben ABA  |  | Nebraska     | 47   | 01   | Nebraska Dairy Breeders  |  |
| Indiana       | 32   | 16   | North Benton-Newton-Jasper ABA   |  | Nebraska     | 47   | 03   | Douglas Co-op. ABA   |  |
| Indiana       | 32   | 18   | Southern Indiana ABA   |  | Nebraska     | 47   | 04   | Lancaster Non-Stock Co-op. Dairy<br>ABA, Inc.                          |  |
| Illinois      | 33   | 01   | *Northern Illinois Breeding Coop.,<br>Rt. 1, Hampshire                   |  | Nebraska     | 47   | 05   | Norfolk Non-Stock Co-op. ABA   |  |
| Illinois      | 33   | 02   | *Southern Illinois Breeding Association,<br>Breese                       |  | Nebraska     | 47   | 06   | University of Nebraska ABA   |  |
| Illinois      | 33   | 03   | *Curtiss Breeding Service, Inc., Cary                                    |  | Nebraska     | 47   | 07   | Dairy Breeders Enterprise ABA  |  |
| Illinois      | 33   | 04   | Central Illinois ABA   |  |              |      | 09   | Central Nebr. Non-Stock Co-op.<br>ABA, Inc.                            |  |
| Illinois      | 33   | 05   | Eastern Stephenson ABA   |  | Kansas       | 48   | 01   | *Kansas ABS Unit, Anderson Hall,<br>Kansas State University, Manhattan |  |
| Illinois      | 33   | 06   | Inter Co. ABA  |  |              |      |      |  |  |
| Illinois      | 33   | 07   | Shelby County ABA  |  | Delaware     | 50   | 01   | Delaware Co-op. ABA, Inc.  |  |
| Illinois      | 33   | 08   | Tri County ABA   |  | Delaware     | 50   | 02   | New Castle Co-op. ABA  |  |
| Illinois      | 33   | 09   | American Dairy Guernsey ABA  |  |              |      |      |  |  |

\*Indicates those AI Organizations reported in operation January 1, 1963.



| STATE          |      |      | ORGANIZATION  |  | STATE       |      |      | ORGANIZATION   |  |
|----------------|------|------|---|--|-------------|------|------|--|--|
| Name           | Code | Code | Name  |  | Name        | Code | Code | Name   |  |
| Maryland       | 51   | 01   | Maryland Co-op. ABA, Inc.   |  | Texas       | 74   | 05   | Rio Vista ABA  |  |
| Maryland       | 51   | 02   | *Maryland-West Virginia Bull Stud,<br>P. O. Box 555, Frederick                                      |  | Texas       | 74   | 07   | Muenster ABA   |  |
|                |      |      |   |  | Texas       | 74   | 08   | Hill Co. ABA   |  |
| Virginia       | 52   | 01   | *Virginia ABA, Inc., P. O. Drawer 391,<br>Rocky Mount   |  | Texas       | 74   | 09   | Cameron Co. ABA  |  |
| Virginia       | 52   | 02   | Franklin Co. ABA, Inc.  |  | Montana     | 81   | 01   | Western Montana ABA  |  |
| Virginia       | 52   | 03   | Loudoun Co. ABA, Inc.   |  | Idaho       | 82   | 01   | Bluffview Farm ABA   |  |
| Virginia       | 52   | 04   | Fulaski Co-op. ABA  |  | Idaho       | 82   | 02   | Shamrock ABA   |  |
| Virginia       | 52   | 05   | Valley of Virginia Co-op. ABA, Inc.   |  | Idaho       | 82   | 03   | New Plymouth ABA   |  |
| Virginia       | 52   | 06   | North Virginia Co-op. ABA, Inc.   |  |             |      |      |  |  |
| Virginia       | 52   | 07   | Southeast Virginia ABA, Inc.  |  | Colorado    | 84   | 01   | *Colorado State University ABS,<br>809 City Park Ave., Fort Collins      |  |
| Virginia       | 52   | 08   | Blue Ridge ABA, Inc.  |  | Colorado    | 84   | 02   | North Central Colorado ABA   |  |
| Virginia       | 52   | 09   | Shenandoah Valley ABA   |  | Colorado    | 84   | 03   | Willow Springs ABA   |  |
| Virginia       | 52   | 10   | Culpeper ABA, Inc.  |  | Colorado    | 84   | 04   | Brookridge Farm Dairy ABA  |  |
|                |      |      |   |  | Colorado    | 84   | 05   | Surface Creek ABA  |  |
| West Virginia  | 54   | 01   | West Virginia Co-op. ABA  |  |             |      |      |  |  |
| North Carolina | 55   | 01   | *N. C. Institutional Breeding Assn.,<br>Dept. Animal Science, N. C. State<br>College, Raleigh       |  | New Mexico  | 85   | 01   | New Mexico ABA   |  |
| North Carolina | 55   | 02   | North Carolina State College ABA  |  | Arizona     | 86   | 01   | Arizona ABA  |  |
| North Carolina | 55   | 03   | Southeastern ABA  |  | Arizona     | 86   | 02   | Eads Cattle Breeding Service   |  |
| North Carolina | 55   | 04   | Forsyth Co. ABA   |  | Arizona     | 86   | 03   | News ABA   |  |
| South Carolina | 56   | 01   | Clemson College ABA   |  |             |      |      |  |  |
| South Carolina | 56   | 02   | Chester Co-op. ABA  |  | Utah        | 87   | 01   | *Cache Valley Breeding Association,<br>1950 N. Main, Logan               |  |
| South Carolina | 56   | 03   | South Carolina Co-op. ABA   |  | Utah        | 87   | 02   | Weber Co. ABA  |  |
| Florida        | 58   | 01   | Broward County ABA  |  |             |      |      |  |  |
| Kentucky       | 61   | 01   | *Kentucky Artificial Breeding Assn.,<br>1930 Herr Lane, Louisville 7                                |  | Washington  | 91   | 01   | *Evergreen Northwest Breeders, Inc.,<br>P. O. Box 197, Burlington        |  |
| Tennessee      | 63   | 01   | *East Tennessee ABA, Route 10,<br>Knoxville   |  | Washington  | 91   | 02   | Colville Valley ABA  |  |
| Tennessee      | 63   | 02   | *Tennessee Artificial Breeding<br>Association, Brentwood  |  | Washington  | 91   | 03   | Mt. Rainier ABA  |  |
| Tennessee      | 63   | 03   | *West Tennessee Artificial Breeding<br>Association, Yorkville                                       |  | Washington  | 91   | 04   | Walla Walla Valley Co-op. ABA  |  |
| Tennessee      | 63   | 04   | Maury-Williamson ABA, Inc.  |  | Washington  | 91   | 05   | Northwest Co-op. ABA   |  |
|                |      |      |   |  | Washington  | 91   | 06   | Northeast Co-op. ABA   |  |
| Alabama        | 64   | 01   | Alabama ABA   |  | Washington  | 91   | 07   | Ed. P. Peterson ABA  |  |
| Alabama        | 64   | 02   | Marshall Co. ABA  |  | Washington  | 91   | 08   | Clark Co. ABA  |  |
|                |      |      |   |  | Washington  | 91   | 09   | Farwest ABA  |  |
| Mississippi    | 65   | 01   | Hinds Rankin ABA  |  | Washington  | 91   | 10   | *W. De Jong's Supreme Bull Service,<br>Rt. 1, Monroe                     |  |
| Mississippi    | 65   | 02   | *Mississippi ABC, State College   |  |             |      |      |  |  |
| Mississippi    | 65   | 03   | Pike Co-op. ABA   |  | Oregon      | 92   | 01   | *Oregon Breeders Association,<br>P. O. Box 48, Corvallis                 |  |
| Mississippi    | 65   | 04   | Tupelo ABA  |  | Oregon      | 92   | 02   | Multnomah ABA  |  |
| Mississippi    | 65   | 05   | South Mississippi Co-op. ABA  |  | Oregon      | 92   | 03   | Yamhill Co. ABA  |  |
| Mississippi    | 65   | 06   | Mid South ABA   |  |             |      |      |  |  |
| Mississippi    | 65   | 07   | Tippah Co. Fair and Livestock ABA   |  | California  | 93   | 01   | *California Dairy Breeders, Inc.,<br>P. O. Box 188, Davis                |  |
| Mississippi    | 65   | 08   | Noxubee Co. ABA   |  | California  | 93   | 02   | *Adohr Farms Inseminating Service,<br>P. O. Box 88, Camarillo            |  |
| Arkansas       | 71   | 01   | Arkansas Dairy Breeders Assn.   |  | California  | 93   | 03   | *Excelsior Breeding Service,<br>7401 Adams, Corona                       |  |
| Louisiana      | 72   | 01   | *L.S.U. Dairy Improvement Center &<br>Louisiana ABC, Inc., Box 8907, LSU,<br>Baton Rouge            |  | California  | 93   | 04   | Golden West ABA, Inc.  |  |
| Louisiana      | 72   | 02   | Northern Louisiana Jersey ABA   |  | California  | 93   | 05   | *Jessup Breeders, 11630 E. Artesia<br>Blvd., Artesia                     |  |
| Oklahoma       | 73   | 01   | Eastern Oklahoma ABA  |  | California  | 93   | 06   | Santa Clara ABA  |  |
| Oklahoma       | 73   | 02   | Northwestern Oklahoma ABA   |  | California  | 93   | 07   | San Pasqual ABA, Inc.  |  |
| Oklahoma       | 73   | 03   | Oklahoma Dairy Breeders ABA   |  | California  | 93   | 08   | Sonoma Marin Co-op. ABA, Inc.  |  |
| Texas          | 74   | 01   | *Texas A & M Dairy Breeding Center,<br>Dairy Science Dept., Texas A & M<br>College, College Station |  | California  | 93   | 09   | Tulare Co-op. ABA  |  |
| Texas          | 74   | 02   | North Texas ABA   |  | California  | 93   | 10   | *Pacific Breeders Coop., Inc.,<br>1464 Middle Two Rock Road,<br>Petaluma |  |
| Texas          | 74   | 03   | Texas Tech ABA  |  |             |      |      |  |  |
| Texas          | 74   | 04   | North Star ABA  |  | California  | 93   | 11   | Sacramento Co-op. ABA  |  |
|                |      |      |   |  | Puerto Rico | 94   | 01   | *Puerto Rico Artificial Breeding<br>Assn., P. O. Box 958, Dorado         |  |
|                |      |      |   |  | Hawaii      | 95   | 01   | Waimea Dairy ABA   |  |
|                |      |      |   |  | Hawaii      | 95   | 02   | Moanalua Dairy Ltd. ABA  |  |
|                |      |      |   |  | Hawaii      | 95   | 03   | *Haleakala Ranch Dairy Farm,<br>Makawao, Maui                            |  |
|                |      |      |   |  |             |      |      |  |  |
|                |      |      |   |  | Alaska      | 96   | 01   | *Matanuska Valley Breeders Assn.,<br>Palmer                              |  |

\*Indicates those AI Organizations in operation January 1, 1963

# STATE CODES

|    |               |    |                |    |             |
|----|---------------|----|----------------|----|-------------|
| 11 | Maine         | 45 | North Dakota   | 72 | Louisiana   |
| 12 | New Hampshire | 46 | South Dakota   | 73 | Oklahoma    |
| 13 | Vermont       | 47 | Nebraska       | 74 | Texas       |
| 14 | Massachusetts | 48 | Kansas         | 81 | Montana     |
| 15 | Rhode Island  | 50 | Delaware       | 82 | Idaho       |
| 16 | Connecticut   | 51 | Maryland       | 83 | Wyoming     |
| 21 | New York      | 52 | Virginia       | 84 | Colorado    |
| 22 | New Jersey    | 54 | West Virginia  | 85 | New Mexico  |
| 23 | Pennsylvania  | 55 | North Carolina | 86 | Arizona     |
| 31 | Ohio          | 56 | South Carolina | 87 | Utah        |
| 32 | Indiana       | 57 | Georgia        | 88 | Nevada      |
| 33 | Illinois      | 58 | Florida        | 91 | Washington  |
| 34 | Michigan      | 61 | Kentucky       | 92 | Oregon      |
| 35 | Wisconsin     | 63 | Tennessee      | 93 | California  |
| 41 | Minnesota     | 64 | Alabama        | 94 | Puerto Rico |
| 42 | Iowa          | 65 | Mississippi    | 95 | Hawaii      |
| 43 | Missouri      | 71 | Arkansas       | 96 | Alaska      |

## SIRE OF DHIA DAUGHTERS

|                                |                               |     |                  |      | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--------------------------------|-------------------------------|-----|------------------|------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| AYRSHIRE                       |                               |     |                  |      | RECOROS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 92562                          | SCOTCH HAVEN THORN MAN.....   |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 01-24-48                       | 66191 264483                  | 50  | AI DAUGHTERS     | 91   | 9,913                  | 4.1        | 403       |           |                     |            |           |               |           |
| AI STUD, 51-02                 | LISTED, 08-63                 | 40  | WITH HERD-MATES  | 81   | 10,150                 | 4.1        | 414       |           | 16                  | 10,016     | 410       | 9,638         | 388       |
| STATES-                        | 16,31,51,52,54,63,65          |     |                  |      |                        |            |           |           | DIFF.               | 134        | 4         |               |           |
|                                |                               | 24  | NDN-AI DAUGHTERS | 48   | 10,355                 | 4.1        | 420       |           |                     |            |           |               |           |
| 94955                          | .....                         |     |                  |      |                        |            |           |           |                     |            |           |               |           |
|                                |                               | 5   | NDN-AI DAUGHTERS | 5    | 5,370                  | 3.5        | 189       |           |                     |            |           |               |           |
| STATES- 71                     |                               | 1   | WITH HERD-MATES  | 1    | 4,170                  | 3.7        | 154       |           | 5                   | 5,831      | 237       |               |           |
|                                |                               |     |                  |      |                        |            |           |           | DIFF.               | 1661-      | 83-       |               |           |
| 96189                          | TOLL GATE COLDNEL 8D8.....    |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 02-10-49                       | 72686 269615                  | 179 | AI DAUGHTERS     | 233  | 10,365                 | 4.1        | 422       |           |                     |            |           |               |           |
| AI STUO, 31-01                 | LISTED, 08-63                 | 174 | WITH HERD-MATES  | 228  | 10,407                 | 4.1        | 424       |           | 9                   | 9,939      | 396       | 9,973         | 410       |
| STATES-                        | 21,22,23,31,32,33,35,         |     |                  |      |                        |            |           |           | DIFF.               | 468        | 28        |               |           |
| 42,51,55,64,65,74,84           |                               | 34  | NDN-AI DAUGHTERS | 76   | 12,611                 | 4.0        | 500       |           | 11                  | 9,091      | 373       |               |           |
|                                |                               | 3   | WITH HERD-MATES  | 5    | 8,830                  | 4.0        | 351       |           | DIFF.               | 261-       | 22-       |               |           |
| 96577                          | .....                         |     |                  |      |                        |            |           |           |                     |            |           |               |           |
|                                |                               | 5   | NDN-AI DAUGHTERS | 7    | 6,920                  | 4.1        | 281       |           |                     |            |           |               |           |
| STATES- 41                     |                               | 5   | WITH HERD-MATES  | 7    | 6,920                  | 4.1        | 281       |           | 10                  | 7,998      | 318       |               |           |
|                                |                               |     |                  |      |                        |            |           |           | DIFF.               | 1078-      | 37-       |               |           |
| 97587                          | MEOFORD TIMID MICKEY.....     |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 01-01-49                       | 55440 338833                  | 49  | AI DAUGHTERS     | 66   | 10,686                 | 4.3        | 462       |           |                     |            |           |               |           |
| AI STUD, 48-01                 | LISTED, 08-63                 | 49  | WITH HERD-MATES  | 66   | 10,686                 | 4.3        | 462       |           | 9                   | 9,832      | 403       | 10,207        | 432       |
| STATES-                        | 41,48,51,71,73                |     |                  |      |                        |            |           |           | DIFF.               | 854        | 59        |               |           |
|                                |                               | 29  | NDN-AI DAUGHTERS | 70   | 9,522                  | 4.5        | 425       |           | 7                   | 9,360      | 393       |               |           |
|                                |                               | 19  | WITH HERD-MATES  | 48   | 9,899                  | 4.4        | 439       |           | DIFF.               | 539        | 46        |               |           |
| 99089                          | LIPPITT H180.....             |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 09-28-49                       | 91883 294658                  | 99  | AI DAUGHTERS     | 162  | 10,767                 | 4.2        | 452       |           |                     |            |           |               |           |
| AI STUD, 16-04                 | LISTED, 08-63                 | 96  | WITH HERD-MATES  | 159  | 10,802                 | 4.2        | 453       |           | 14                  | 10,563     | 433       | 9,801         | 405       |
| STATES-                        | 11,12,13,14,15,16,21,         |     |                  |      |                        |            |           |           | DIFF.               | 239        | 20        |               |           |
| 33,42                          |                               | 14  | NDN-AI DAUGHTERS | 39   | 10,621                 | 4.2        | 445       |           | 17                  | 10,262     | 408       |               |           |
|                                |                               | 7   | WITH HERD-MATES  | 24   | 11,441                 | 4.2        | 477       |           | DIFF.               | 1179       | 69        |               |           |
| 99673                          | .....                         |     |                  |      |                        |            |           |           |                     |            |           |               |           |
|                                |                               | 5   | NDN-AI DAUGHTERS | 13   | 7,402                  | 4.2        | 310       |           |                     |            |           |               |           |
| STATES- 31,33,65               |                               | 3   | WITH HERD-MATES  | 8    | 7,948                  | 4.2        | 333       |           | 7                   | 8,793      | 355       |               |           |
|                                |                               |     |                  |      |                        |            |           |           | DIFF.               | 845-       | 22-       |               |           |
| 101527                         | MEREDITH PREDICTION.....      |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 06-14-50                       | 79374 296863                  | 721 | AI DAUGHTERS     | 1447 | 10,572                 | 4.1        | 435       |           |                     |            |           |               |           |
| AI STUO, 21-01                 | LISTED, 08-63                 | 683 | WITH HERD-MATES  | 1369 | 10,571                 | 4.1        | 435       |           | 14                  | 10,205     | 412       | 9,925         | 408       |
| STATES-                        | 11,12,13,14,15,16,21,         |     |                  |      |                        |            |           |           | DIFF.               | 366        | 23        |               |           |
| 22,23,34,41,42,51,52,54,55,57, |                               |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 58,64,65,73,74,91              |                               |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 102091                         | LANEWAY MAGICIAN.....         |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 01-08-50                       | 82620 230908                  | 106 | AI DAUGHTERS     | 134  | 10,465                 | 4.2        | 444       |           |                     |            |           |               |           |
| AI STUD, 16-04                 | LISTED, 08-63                 | 104 | WITH HERD-MATES  | 130  | 10,517                 | 4.2        | 446       |           | 15                  | 9,992      | 412       | 10,008        | 416       |
| STATES-                        | 11,12,13,14,15,16,21,         |     |                  |      |                        |            |           |           | DIFF.               | 525        | 34        |               |           |
| 35,52                          |                               | 22  | NDN-AI DAUGHTERS | 39   | 9,188                  | 4.2        | 386       |           | 2                   | 8,631      | 341       |               |           |
|                                |                               | 15  | WITH HERD-MATES  | 20   | 9,074                  | 4.1        | 372       |           | DIFF.               | 443        | 31        |               |           |
| 102601                         | PDRTERDALE CREAM HIGH.....    |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 11-02-50                       | 57338 288886                  | 208 | AI DAUGHTERS     | 293  | 10,328                 | 4.1        | 425       |           |                     |            |           |               |           |
| AI STUD, 21-01                 | LISTED, 08-63                 | 182 | WITH HERD-MATES  | 247  | 10,450                 | 4.1        | 430       |           | 15                  | 10,482     | 422       | 9,558         | 394       |
| STATES-                        | 12,13,14,15,16,21,23,         |     |                  |      |                        |            |           |           | DIFF.               | 32-        | 8         |               |           |
| 42,57                          |                               |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 103949                         | GLENGARRY FANCY 8DY, IMP..... |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 08-29-49                       | 76451 435251                  | 88  | AI DAUGHTERS     | 89   | 10,556                 | 3.9        | 413       |           |                     |            |           |               |           |
| AI STUD, 31-01                 | LISTED, 08-63                 | 87  | WITH HERD-MATES  | 88   | 10,539                 | 3.9        | 412       |           | 12                  | 10,366     | 417       | 9,723         | 381       |
| STATES-                        | 12,14,15,21,23,31,32,         |     |                  |      |                        |            |           |           | DIFF.               | 173        | 5-        |               |           |
| 33,35,41,42,54,55,65,82        |                               | 28  | NDN-AI DAUGHTERS | 85   | 11,696                 | 4.2        | 486       |           | 6                   | 10,969     | 456       |               |           |
|                                |                               | 26  | WITH HERD-MATES  | 79   | 11,908                 | 4.2        | 497       |           | DIFF.               | 939        | 41        |               |           |
| 104237                         | OAK RIDGE DRACLE.....         |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 11-07-50                       | 93402 380421                  | 34  | NDN-AI DAUGHTERS | 60   | 10,485                 | 4.2        | 439       |           |                     |            |           |               |           |
| AI STUO, 35-75                 | LISTED, 08-63                 | 8   | WITH HERD-MATES  | 11   | 9,336                  | 3.9        | 365       |           | 10                  | 9,435      | 373       |               |           |
| STATES-                        | 87,93                         |     |                  |      |                        |            |           |           | DIFF.               | 99-        | 8-        |               |           |
| 104768                         | WINOROW GOLDEN JIM.....       |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 10-06-50                       | 80167 244783                  | 99  | AI DAUGHTERS     | 112  | 10,003                 | 4.1        | 408       |           |                     |            |           |               |           |
| AI STUD, 33-03                 | LISTED, 08-63                 | 95  | WITH HERD-MATES  | 107  | 10,010                 | 4.1        | 408       |           | 11                  | 9,234      | 373       | 10,157        | 413       |
| STATES-                        | 12,13,14,16,21,23,31,         |     |                  |      |                        |            |           |           | DIFF.               | 776        | 35        |               |           |
| 32,33,34,35,41,42,48,50,51,54, |                               | 6   | NDN-AI DAUGHTERS | 9    | 9,528                  | 4.1        | 394       |           | 8                   | 8,875      | 364       |               |           |
| 87,91,92                       |                               | 5   | WITH HERD-MATES  | 8    | 9,611                  | 4.2        | 407       |           | DIFF.               | 736        | 43        |               |           |
| 106282                         | .....                         |     |                  |      |                        |            |           |           |                     |            |           |               |           |
|                                |                               | 5   | NDN-AI DAUGHTERS | 6    | 9,392                  | 4.4        | 415       |           |                     |            |           |               |           |
| STATES- 12                     |                               | 4   | WITH HERD-MATES  | 5    | 10,410                 | 4.3        | 449       |           | 10                  | 10,033     | 420       |               |           |
|                                |                               |     |                  |      |                        |            |           |           | DIFF.               | 377        | 29        |               |           |
| 106285                         | AYR-LINE MODISH GUY.....      |     |                  |      |                        |            |           |           |                     |            |           |               |           |
| 08-08-51                       | 98640 390648                  | 16  | AI DAUGHTERS     | 16   | 11,265                 | 4.3        | 479       |           |                     |            |           |               |           |
| AI STUD, 48-01                 | LISTED, 08-63                 | 16  | WITH HERD-MATES  | 16   | 11,265                 | 4.3        | 479       |           | 14                  | 10,970     | 459       | 9,749         | 399       |
| STATES-                        | 21,33,42,46,48,54,74          |     |                  |      |                        |            |           |           | DIFF.               | 295        | 20        |               |           |
|                                |                               | 49  | NDN-AI DAUGHTERS | 96   | 9,604                  | 4.2        | 406       |           | 12                  | 9,627      | 395       |               |           |
|                                |                               | 40  | WITH HERD-MATES  | 79   | 9,778                  | 4.2        | 413       |           | DIFF.               | 151        | 18        |               |           |
| 106824                         | .....                         |     |                  |      |                        |            |           |           |                     |            |           |               |           |
|                                |                               | 7   | NDN-AI DAUGHTERS | 7    | 9,937                  | 3.7        | 372       |           |                     |            |           |               |           |
| STATES- 31                     |                               | 7   | WITH HERD-MATES  | 7    | 9,937                  | 3.7        | 372       |           | 4                   | 9,680      | 384       |               |           |
|                                |                               |     |                  |      |                        |            |           |           | DIFF.               | 257        | 12-       |               |           |



## SIRE OF OHIA DAUGHTERS

| AYRSHIRE                     |                              |    |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | FAT L8 |
|------------------------------|------------------------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 107596                       | ALAMO CREST 8ABE RUTH.....   |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 09-24-51                     | 77328 294429                 | 12 | NDN-AI DAUGHTERS | 30          | 11,898                | 3.9    | 464         |                 |                    |            |                       |        |
| AI STUO, 42-02               | LISTED, 08-63                | 12 | WITH HERD-MATES  | 29          | 11,935                | 3.9    | 465         | 9               | 10,269             | 421        |                       |        |
| STATES- 42                   |                              |    |                  |             |                       |        |             | DIFF.           | 1666               | 44         |                       |        |
| 107810                       | REIOINA CORSAIR.....         |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 01-05-52                     | 58950 401562                 | 34 | AI DAUGHTERS     | 34          | 10,880                | 4.4    | 478         |                 |                    |            |                       |        |
| AI STUO, 23-08               | LISTED, 08-63                | 34 | WITH HERD-MATES  | 34          | 10,880                | 4.4    | 478         | 14              | 10,310             | 437        | 9,972                 | 417    |
| STATES- 23,31,51             |                              |    |                  |             |                       |        |             | OIFF.           | 570                | 41         |                       |        |
|                              |                              | 30 | NDN-AI DAUGHTERS | 60          | 10,449                | 4.5    | 473         |                 |                    |            |                       |        |
|                              |                              | 27 | WITH HERD-MATES  | 56          | 10,623                | 4.5    | 481         | 13              | 11,278             | 491        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 655-               | 10-        |                       |        |
| 107841                       | VISTA GRANDE PEDRO.....      |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 04-14-52                     | 91586 385958                 | 23 | AI DAUGHTERS     | 39          | 9,913                 | 3.9    | 390         |                 |                    |            |                       |        |
| AI STUO, 41-01               | LISTED, 08-63                | 15 | WITH HERD-MATES  | 29          | 9,860                 | 4.0    | 390         | 10              | 9,624              | 403        | 9,634                 | 377    |
| STATES- 41,45,46             |                              |    |                  |             |                       |        |             | OIFF.           | 236                | 13-        |                       |        |
|                              |                              | 7  | NON-AI DAUGHTERS | 11          | 8,441                 | 4.2    | 357         |                 |                    |            |                       |        |
|                              |                              | 7  | WITH HERD-MATES  | 11          | 8,441                 | 4.2    | 357         | 7               | 9,136              | 376        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 695-               | 19-        |                       |        |
| 107868                       | VISTA GRANDE OFFICER.....    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 11-22-51                     | 92424 369940                 | 10 | AI DAUGHTERS     | 12          | 9,350                 | 4.0    | 374         |                 |                    |            |                       |        |
| AI STUO, 21-01               | LISTED, 08-63                | 10 | WITH HERD-MATES  | 12          | 9,350                 | 4.0    | 374         | 13              | 11,046             | 451        | 8,804                 | 351    |
| STATES- 14,16,21,23,33       |                              |    |                  |             |                       |        |             | DIFF.           | 1696-              | 77-        |                       |        |
|                              |                              | 7  | NON-AI DAUGHTERS | 11          | 13,855                | 4.3    | 598         |                 |                    |            |                       |        |
|                              |                              | 6  | WITH HERD-MATES  | 9           | 14,129                | 4.3    | 614         | 11              | 11,170             | 473        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 2959               | 141        |                       |        |
| 107957                       | BLOSSOM-S PANCHO.....        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 04-02-52                     | 63147 304258                 | 24 | AI DAUGHTERS     | 24          | 9,227                 | 4.0    | 369         |                 |                    |            |                       |        |
| AI STUO, 12-03               | LISTED, 08-63                | 24 | WITH HERD-MATES  | 24          | 9,227                 | 4.0    | 369         | 12              | 10,080             | 418        | 8,972                 | 353    |
| STATES- 11,12,13,14          |                              |    |                  |             |                       |        |             | OIFF.           | 853-               | 49-        |                       |        |
|                              |                              | 33 | NDN-AI DAUGHTERS | 82          | 11,220                | 4.3    | 487         |                 |                    |            |                       |        |
|                              |                              | 31 | WITH HERD-MATES  | 80          | 11,304                | 4.3    | 490         | 13              | 10,755             | 454        |                       |        |
|                              |                              |    |                  |             |                       |        |             | OIFF.           | 549                | 36         |                       |        |
| 109256                       | REIOINA DOUBLE DON.....      |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 07-06-51                     | 83283 275754                 | 37 | AI DAUGHTERS     | 37          | 10,561                | 4.3    | 452         |                 |                    |            |                       |        |
| AI STUO, 23-08               | LISTED, 08-63                | 34 | WITH HERD-MATES  | 34          | 10,507                | 4.3    | 455         | 11              | 10,403             | 430        | 9,639                 | 405    |
| STATES- 23,35,50,51,52,57,74 |                              |    |                  |             |                       |        |             | DIFF.           | 104                | 25         |                       |        |
|                              |                              | 59 | NDN-AI DAUGHTERS | 127         | 11,049                | 4.4    | 488         |                 |                    |            |                       |        |
|                              |                              | 55 | WITH HERD-MATES  | 120         | 11,022                | 4.4    | 489         | 28              | 10,636             | 446        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 386                | 43         |                       |        |
| 110101                       | .....                        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
|                              |                              | 5  | NDN-AI DAUGHTERS | 5           | 11,158                | 4.3    | 475         |                 |                    |            |                       |        |
| STATES- 91                   |                              | 2  | WITH HERD-MATES  | 2           | 10,780                | 4.3    | 465         | 9               | 9,993              | 419        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 787                | 46         |                       |        |
| 110432                       | WOODHULL HARMONY PRINCE..... |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 05-17-53                     | 77392 249276                 | 3  | AI DAUGHTERS     | 6           | 11,206                | 3.9    | 434         |                 |                    |            |                       |        |
| AI STUO, 41-01               | LISTED, 08-63                | 2  | WITH HERD-MATES  | 5           | 9,909                 | 4.0    | 396         | 20              | 10,439             | 441        | 9,436                 | 378    |
| STATES- 41,46                |                              |    |                  |             |                       |        |             | OIFF.           | 530-               | 45-        |                       |        |
|                              |                              | 15 | NON-AI DAUGHTERS | 49          | 10,889                | 4.1    | 449         |                 |                    |            |                       |        |
|                              |                              | 15 | WITH HERD-MATES  | 49          | 10,889                | 4.1    | 449         | 12              | 10,620             | 441        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 269                | 8          |                       |        |
| 110671                       | VISTA GRANDE NAPPY.....      |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 03-23-53                     | 104343 388436                | 11 | NON-AI DAUGHTERS | 39          | 12,776                | 4.2    | 539         |                 |                    |            |                       |        |
| AI STUO, 33-03               | LISTED, 08-63                | 11 | WITH HERD-MATES  | 38          | 12,769                | 4.2    | 539         | 11              | 10,959             | 452        |                       |        |
| STATES- 23,42,55             |                              |    |                  |             |                       |        |             | DIFF.           | 1810               | 87         |                       |        |
| 110816                       | .....                        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
|                              |                              | 5  | NON-AI DAUGHTERS | 9           | 9,618                 | 4.0    | 382         |                 |                    |            |                       |        |
| STATES- 35,42                |                              | 4  | WITH HERD-MATES  | 8           | 10,598                | 3.9    | 411         | 8               | 9,824              | 393        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 774                | 18         |                       |        |
| 110896                       | .....                        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
|                              |                              | 13 | NON-AI DAUGHTERS | 13          | 7,449                 | 4.3    | 317         |                 |                    |            |                       |        |
| STATES- 21                   |                              | 13 | WITH HERD-MATES  | 13          | 7,449                 | 4.3    | 317         | 10              | 8,544              | 347        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 1095-              | 30-        |                       |        |
| 111011                       | WINORDW GLORY-S PRIOE.....   |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 06-30-53                     | 100488 329845                | 8  | AI DAUGHTERS     | 8           | 11,774                | 4.0    | 475         |                 |                    |            |                       |        |
| AI STUO, 34-01               | LISTED, 08-63                | 7  | WITH HERD-MATES  | 7           | 11,564                | 4.0    | 467         | 10              | 10,021             | 417        | 10,071                | 402    |
| STATES- 34                   |                              |    |                  |             |                       |        |             | DIFF.           | 1543               | 50         |                       |        |
|                              |                              | 18 | NON-AI DAUGHTERS | 41          | 11,916                | 4.1    | 487         |                 |                    |            |                       |        |
|                              |                              | 17 | WITH HERD-MATES  | 40          | 12,009                | 4.1    | 490         | 4               | 11,515             | 474        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 494                | 16         |                       |        |
| 111096                       | .....                        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
|                              |                              | 8  | NON-AI DAUGHTERS | 9           | 9,834                 | 4.0    | 393         |                 |                    |            |                       |        |
| STATES- 23,51                |                              | 7  | WITH HERD-MATES  | 8           | 9,777                 | 4.0    | 389         | 12              | 10,853             | 441        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 1076-              | 52-        |                       |        |
| 111209                       | VISTA GRANDE RDYALTY.....    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 11-03-53                     | 104344 388435                | 41 | NON-AI DAUGHTERS | 82          | 9,912                 | 4.0    | 394         |                 |                    |            |                       |        |
| AI STUO, 23-05               | LISTED, 08-63                | 41 | WITH HERD-MATES  | 80          | 9,962                 | 4.0    | 395         | 18              | 10,299             | 421        |                       |        |
| STATES- 13,14,16,21,23,42    |                              |    |                  |             |                       |        |             | OIFF.           | 337-               | 26-        |                       |        |
| 111993                       | .....                        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
|                              |                              | 6  | NON-AI DAUGHTERS | 6           | 9,532                 | 4.0    | 384         |                 |                    |            |                       |        |
| STATES- 31                   |                              | 5  | WITH HERD-MATES  | 5           | 9,558                 | 4.0    | 383         | 5               | 9,873              | 395        |                       |        |
|                              |                              |    |                  |             |                       |        |             | OIFF.           | 315-               | 12-        |                       |        |
| 112020                       | .....                        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
|                              |                              | 12 | NON-AI DAUGHTERS | 20          | 8,816                 | 4.0    | 350         |                 |                    |            |                       |        |
| STATES- 31                   |                              | 12 | WITH HERD-MATES  | 20          | 8,816                 | 4.0    | 350         | 5               | 9,300              | 366        |                       |        |
|                              |                              |    |                  |             |                       |        |             | DIFF.           | 484-               | 16-        |                       |        |
| 112378                       | .....                        |    |                  |             |                       |        |             |                 |                    |            |                       |        |
|                              |                              | 6  | NON-AI DAUGHTERS | 11          | 9,558                 | 4.4    | 416         |                 |                    |            |                       |        |
| STATES- 13                   |                              | 6  | WITH HERD-MATES  | 11          | 9,558                 | 4.4    | 416         | 8               | 9,516              | 392        |                       |        |
|                              |                              |    |                  |             |                       |        |             | OIFF.           | 42                 | 24         |                       |        |

## SIREs OF DHIA DAUGHTERS

| AYRSHIRE  | AV. PRDUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|-----------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER     | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 112575 WINDROW SIXTY GRAND.....                 |                       |            |           |           |                     |            |           |               |           |
| 02-14-54 84158 294020 20 NDN-AI DAUGHTERS       | 27                    | 12,118     | 4.1       | 498       |                     |            |           |               |           |
| AI STUD, 31-01 LISTED, 08-63 16 WITH HERD-MATES | 22                    | 11,587     | 4.1       | 480       | 14                  | 10,312     | 423       |               |           |
| STATES- 21,23,31,33,41,46,65, 74                |                       |            |           |           | DIFF.               | 1275       | 57        |               |           |
| 112634 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 41,48 5 NDN-AI DAUGHTERS                | 8                     | 9,202      | 4.2       | 387       |                     |            |           |               |           |
| 3 WITH HERD-MATES 5                             | 5                     | 6,761      | 3.8       | 259       | 3                   | 8,449      | 346       |               |           |
|   |                       |            |           |           | DIFF.               | 1688-      | 87-       |               |           |
| 113222 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 42 5 NDN-AI DAUGHTERS                   | 6                     | 10,466     | 4.5       | 468       |                     |            |           |               |           |
| 5 WITH HERD-MATES 6                             | 6                     | 10,466     | 4.5       | 468       | 8                   | 10,898     | 449       |               |           |
|   |                       |            |           |           | DIFF.               | 432-       | 19        |               |           |
| 113342 LIPPITT GENERAL M.....                   |                       |            |           |           |                     |            |           |               |           |
| 11-15-54 91883 294658 10 NDN-AI DAUGHTERS       | 18                    | 11,858     | 4.4       | 524       |                     |            |           |               |           |
| AI STUD, 34-01 LISTED, 08-63 10 WITH HERD-MATES | 18                    | 11,858     | 4.4       | 524       | 16                  | 11,856     | 523       |               |           |
| STATES- 14,23,34                                |                       |            |           |           | DIFF.               | 2          | 1         |               |           |
| 113419 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 12 5 NDN-AI DAUGHTERS                   | 5                     | 10,672     | 3.9       | 414       |                     |            |           |               |           |
| 5 WITH HERD-MATES 5                             | 5                     | 10,672     | 3.9       | 414       | 15                  | 9,392      | 383       |               |           |
|   |                       |            |           |           | DIFF.               | 1280       | 31        |               |           |
| 113450 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 56,57 6 NDN-AI DAUGHTERS                | 8                     | 10,930     | 4.0       | 441       |                     |            |           |               |           |
| 3 WITH HERD-MATES 3                             | 3                     | 10,067     | 4.0       | 407       | 10                  | 9,863      | 400       |               |           |
|   |                       |            |           |           | DIFF.               | 204        | 7         |               |           |
| 113628 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 91 12 NDN-AI DAUGHTERS                  | 14                    | 12,237     | 3.8       | 466       |                     |            |           |               |           |
| 12 WITH HERD-MATES 14                           | 14                    | 12,237     | 3.8       | 466       | 4                   | 11,110     | 443       |               |           |
|   |                       |            |           |           | DIFF.               | 1127       | 23        |               |           |
| 113733 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 91 5 NDN-AI DAUGHTERS                   | 6                     | 14,511     | 4.2       | 615       |                     |            |           |               |           |
| 5 WITH HERD-MATES 6                             | 6                     | 14,511     | 4.2       | 615       | 25                  | 10,410     | 420       |               |           |
|   |                       |            |           |           | DIFF.               | 4101       | 195       |               |           |
| 114028 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 31 5 NDN-AI DAUGHTERS                   | 5                     | 8,822      | 3.8       | 339       |                     |            |           |               |           |
| 5 WITH HERD-MATES 5                             | 5                     | 8,822      | 3.8       | 339       | 7                   | 8,472      | 323       |               |           |
|   |                       |            |           |           | DIFF.               | 350        | 16        |               |           |
| 114186 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 13 9 NDN-AI DAUGHTERS                   | 17                    | 10,944     | 4.2       | 457       |                     |            |           |               |           |
| 9 WITH HERD-MATES 16                            | 16                    | 10,833     | 4.2       | 455       | 4                   | 10,591     | 429       |               |           |
|   |                       |            |           |           | DIFF.               | 242        | 26        |               |           |
| 114242 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 41 5 NDN-AI DAUGHTERS                   | 6                     | 7,177      | 3.8       | 274       |                     |            |           |               |           |
| 5 WITH HERD-MATES 6                             | 6                     | 7,177      | 3.8       | 274       | 10                  | 7,368      | 293       |               |           |
|   |                       |            |           |           | DIFF.               | 191-       | 19-       |               |           |
| 114378 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 34 10 NDN-AI DAUGHTERS                  | 10                    | 10,156     | 3.9       | 398       |                     |            |           |               |           |
| 10 WITH HERD-MATES 10                           | 10                    | 10,156     | 3.9       | 398       | 8                   | 9,842      | 392       |               |           |
|   |                       |            |           |           | DIFF.               | 314        | 6         |               |           |
| 114520 CLOVER CREST MARTHA-S KING.....          |                       |            |           |           |                     |            |           |               |           |
| 07-02-55 110751 270876 72 AI DAUGHTERS          | 105                   | 10,527     | 4.0       | 419       |                     |            |           |               |           |
| AI STUD, 23-04 LISTED, 08-63 69 WITH HERD-MATES | 100                   | 10,425     | 4.0       | 414       | 20                  | 9,867      | 410       | 10,003        | 389       |
| STATES- 21,23,50                                |                       |            |           |           | DIFF.               | 558        | 4         |               |           |
| 114618 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 15,16,21 5 NDN-AI DAUGHTERS             | 6                     | 10,738     | 3.9       | 417       |                     |            |           |               |           |
| 5 WITH HERD-MATES 6                             | 6                     | 10,738     | 3.9       | 417       | 32                  | 10,337     | 416       |               |           |
|   |                       |            |           |           | DIFF.               | 401        | 1         |               |           |
| 114903 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 21 5 NDN-AI DAUGHTERS                   | 10                    | 8,731      | 4.0       | 350       |                     |            |           |               |           |
| 4 WITH HERD-MATES 9                             | 9                     | 8,624      | 4.0       | 346       | 10                  | 8,945      | 356       |               |           |
|   |                       |            |           |           | DIFF.               | 321-       | 10-       |               |           |
| 114914 LAM8-S PHETT-S TRIUMPHANT 8TH.....       |                       |            |           |           |                     |            |           |               |           |
| 10-11-55 107718 432813 15 NDN-AI DAUGHTERS      | 37                    | 11,472     | 4.1       | 465       |                     |            |           |               |           |
| AI STUD, 42-02 LISTED, 08-63 14 WITH HERD-MATES | 35                    | 11,478     | 4.0       | 461       | 4                   | 10,023     | 410       |               |           |
| STATES- 42                                      |                       |            |           |           | DIFF.               | 1455       | 51        |               |           |
| 114942 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 14,21 5 NDN-AI DAUGHTERS                | 6                     | 10,602     | 4.0       | 423       |                     |            |           |               |           |
| 5 WITH HERD-MATES 6                             | 6                     | 10,602     | 4.0       | 423       | 10                  | 9,562      | 385       |               |           |
|   |                       |            |           |           | DIFF.               | 1040       | 38        |               |           |
| 115346 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 23 11 NDN-AI DAUGHTERS                  | 15                    | 9,179      | 4.1       | 380       |                     |            |           |               |           |
| 11 WITH HERD-MATES 15                           | 15                    | 9,179      | 4.1       | 380       | 6                   | 10,629     | 441       |               |           |
|   |                       |            |           |           | DIFF.               | 1450-      | 61-       |               |           |
| 115469 MEREDITH SIR TALISMAN.....               |                       |            |           |           |                     |            |           |               |           |
| 11-01-55 108684 329381 23 NDN-AI DAUGHTERS      | 38                    | 11,444     | 4.1       | 473       |                     |            |           |               |           |
| AI STUD, 16-04 LISTED, 08-63 23 WITH HERD-MATES | 38                    | 11,444     | 4.1       | 473       | 25                  | 10,831     | 441       |               |           |
| STATES- 12,13,14,21                             |                       |            |           |           | DIFF.               | 613        | 32        |               |           |
| 115480 GLEN VALLEY BEAUTY-S LETD.....           |                       |            |           |           |                     |            |           |               |           |
| 11-21-55 110014 348433 24 NDN-AI DAUGHTERS      | 36                    | 11,092     | 4.1       | 456       |                     |            |           |               |           |
| AI STUD, 23-04 LISTED, 08-63 24 WITH HERD-MATES | 36                    | 11,092     | 4.1       | 456       | 11                  | 9,378      | 395       |               |           |
| STATES- 14,21,23                                |                       |            |           |           | DIFF.               | 1714       | 61        |               |           |
| 115682 .....                                    |                       |            |           |           |                     |            |           |               |           |
| STATES- 23 10 NDN-AI DAUGHTERS                  | 11                    | 10,674     | 4.0       | 431       |                     |            |           |               |           |
| 10 WITH HERD-MATES 11                           | 11                    | 10,674     | 4.0       | 431       | 18                  | 11,230     | 447       |               |           |
|   |                       |            |           |           | DIFF.               | 556-       | 16-       |               |           |

## SIRE OF OHIA DAUGHTERS

| AYRSHIRE                               | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 115744 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 14                             | 5                      | NON-AI DAUGHTERS | 7         | 9,766     | 4.0                 | 389        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 7         | 9,765     | 4.0                 | 389        | 11        | 9,432         | 376       |
|  |                        |                  |           |           |                     |            | DIFF.     | 334           | 13        |
| 116006 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21                             | 7                      | NON-AI DAUGHTERS | 7         | 8,386     | 4.1                 | 340        |           |               |           |
|  | 7                      | WITH HERD-MATES  | 7         | 8,386     | 4.1                 | 340        | 8         | 9,904         | 405       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1518-         | 65-       |
| 116037 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 31,33                          | 5                      | NON-AI DAUGHTERS | 6         | 10,176    | 4.2                 | 430        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 6         | 10,176    | 4.2                 | 430        | 6         | 9,223         | 378       |
|  |                        |                  |           |           |                     |            | DIFF.     | 953           | 52        |
| 116092 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 91                             | 6                      | NON-AI DAUGHTERS | 8         | 14,655    | 4.1                 | 597        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 8         | 14,655    | 4.1                 | 597        | 8         | 10,995        | 446       |
|  |                        |                  |           |           |                     |            | DIFF.     | 3660          | 151       |
| 116125 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                             | 9                      | NON-AI DAUGHTERS | 13        | 7,872     | 4.6                 | 362        |           |               |           |
|  | 9                      | WITH HERD-MATES  | 13        | 7,872     | 4.6                 | 362        | 11        | 9,290         | 386       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1418-         | 24-       |
| 116145 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 13                             | 6                      | NON-AI DAUGHTERS | 6         | 8,763     | 4.3                 | 376        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 6         | 8,763     | 4.3                 | 376        | 31        | 10,054        | 415       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1291-         | 39-       |
| 116598 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 55                             | 15                     | NON-AI DAUGHTERS | 15        | 10,365    | 4.2                 | 440        |           |               |           |
|  | 15                     | WITH HERD-MATES  | 15        | 10,365    | 4.2                 | 440        | 31        | 9,503         | 383       |
|  |                        |                  |           |           |                     |            | DIFF.     | 862           | 57        |
| 116628 AYR-LINE FASHION FLASH.....     |                        |                  |           |           |                     |            |           |               |           |
| 07-09-56 106285 484554                 | 7                      | NON-AI DAUGHTERS | 7         | 11,501    | 4.0                 | 459        |           |               |           |
| AI STUD, 12-03 LISTED, 08-63           | 7                      | WITH HERD-MATES  | 7         | 11,501    | 4.0                 | 459        | 6         | 11,186        | 446       |
| STATES- 41,48                          |                        |                  |           |           |                     |            | DIFF.     | 315           | 13        |
| 116629 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 73                             | 5                      | NON-AI DAUGHTERS | 5         | 8,538     | 3.7                 | 317        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 5         | 8,538     | 3.7                 | 317        | 2         | 8,517         | 335       |
|  |                        |                  |           |           |                     |            | DIFF.     | 21            | 18-       |
| 116707 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 65                             | 6                      | NON-AI DAUGHTERS | 6         | 7,583     | 3.9                 | 296        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 6         | 7,583     | 3.9                 | 296        | 22        | 9,264         | 350       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1681-         | 54-       |
| 116738 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 14,16                          | 5                      | NON-AI DAUGHTERS | 6         | 9,161     | 4.4                 | 403        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 6         | 9,161     | 4.4                 | 403        | 12        | 10,224        | 428       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1063-         | 25-       |
| 116767 GLENGARRY LLOYD ROYAL, IMP..... |                        |                  |           |           |                     |            |           |               |           |
| 11-09-55 116364 524632                 | 18                     | NON-AI DAUGHTERS | 30        | 15,317    | 4.2                 | 636        |           |               |           |
| AI STUD, 35-75 LISTED, 08-63           | 18                     | WITH HERD-MATES  | 29        | 15,342    | 4.2                 | 637        | 4         | 11,507        | 468       |
| STATES- 33                             |                        |                  |           |           |                     |            | DIFF.     | 3835          | 169       |
| 116878 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 32                             | 10                     | NON-AI DAUGHTERS | 10        | 10,076    | 4.0                 | 405        |           |               |           |
|  | 10                     | WITH HERD-MATES  | 10        | 10,076    | 4.0                 | 405        | 5         | 9,949         | 389       |
|  |                        |                  |           |           |                     |            | DIFF.     | 127           | 16        |
| 116938 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 12                             | 6                      | NON-AI DAUGHTERS | 6         | 8,850     | 4.3                 | 384        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 6         | 8,850     | 4.3                 | 384        | 13        | 9,787         | 427       |
|  |                        |                  |           |           |                     |            | DIFF.     | 937-          | 43-       |
| 116998 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 33                             | 13                     | NON-AI DAUGHTERS | 13        | 9,341     | 4.0                 | 375        |           |               |           |
|  | 11                     | WITH HERD-MATES  | 11        | 9,550     | 4.0                 | 386        | 7         | 9,184         | 387       |
|  |                        |                  |           |           |                     |            | DIFF.     | 366           | 1-        |
| 117053 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21                             | 5                      | NON-AI DAUGHTERS | 9         | 6,876     | 4.2                 | 292        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 9         | 6,876     | 4.2                 | 292        | 14        | 8,722         | 343       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1846-         | 51-       |
| 117061 .....                           |                        |                  |           |           |                     |            |           |               |           |
| AI STUD, 51-02 LISTED, 08-63           | 30                     | AI DAUGHTERS     | 37        | 9,782     | 4.3                 | 419        |           |               |           |
| STATES- 23,51,52,54,63                 | 27                     | WITH HERD-MATES  | 34        | 9,697     | 4.3                 | 419        | 13        | 9,614         | 393       |
|  |                        |                  |           |           |                     |            | DIFF.     | 83            | 26        |
| 117064 PRAIRIE BLUE DARK BOY.....      |                        |                  |           |           |                     |            |           |               |           |
| 01-29-55 94934 478769                  | 23                     | NON-AI DAUGHTERS | 39        | 11,901    | 4.2                 | 502        |           |               |           |
| AI STUD, 31-01 LISTED, 08-63           | 23                     | WITH HERD-MATES  | 39        | 11,901    | 4.2                 | 502        | 5         | 10,838        | 457       |
| STATES- 48,73                          |                        |                  |           |           |                     |            | DIFF.     | 1063          | 45        |
| 117148 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21                             | 5                      | NON-AI DAUGHTERS | 6         | 9,546     | 4.2                 | 403        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 6         | 9,546     | 4.2                 | 403        | 18        | 10,694        | 436       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1148-         | 33-       |
| 117182 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21                             | 6                      | NON-AI DAUGHTERS | 6         | 10,708    | 4.1                 | 440        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 6         | 10,708    | 4.1                 | 440        | 11        | 9,432         | 390       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1276          | 50        |
| 117270 VISTA GRANO EL TRUJILLO.....    |                        |                  |           |           |                     |            |           |               |           |
| 10-14-56 113485 366234                 | 12                     | AI DAUGHTERS     | 12        | 10,883    | 3.9                 | 427        |           |               |           |
| AI STUD, 21-01 LISTED, 08-63           | 11                     | WITH HERD-MATES  | 11        | 11,005    | 3.9                 | 427        | 19        | 10,956        | 433       |
| STATES- 12,13,21,33                    |                        |                  |           |           |                     |            | DIFF.     | 49            | 6-        |
|  | 5                      | NON-AI DAUGHTERS | 7         | 10,717    | 4.2                 | 452        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 7         | 10,717    | 4.2                 | 452        | 28        | 10,943        | 448       |
|  |                        |                  |           |           |                     |            | DIFF.     | 226-          | 4         |



## SIRE OF DHIA DAUGHTERS

| AYRSHIRE                                    |                                     |                     | AV. PRODUCTION OF DAU-<br>RECORDS MILK TEST FAT<br>NUMBER LB % LB | ADJ. HERD-MATES AV.<br>NUMBER MILK FAT<br>L8 L8 L8 | PREDICTED AV.<br>MILK FAT<br>L8 L8 |
|---|-------------------------------------|---------------------|---|--|------------------------------------|
| 117308                                      | .....                               | 7 NDN-AI DAUGHTERS  | 7 12,323 4.5 554  |  |                                    |
| STATES- 23                                  |                                     | 7 WITH HERD-MATES   | 7 12,323 4.5 554  | 13 12,833 521<br>DIFF. 510- 33                     |                                    |
| 117366                                      | .....                               | 11 NDN-AI DAUGHTERS | 12 9,065 4.1 376  |  |                                    |
| STATES- 23                                  |                                     | 10 WITH HERD-MATES  | 11 9,053 4.2 377  | 16 8,692 355<br>DIFF. 361 22                       |                                    |
| 117368                                      | .....                               | 5 NDN-AI DAUGHTERS  | 5 8,186 4.4 358   |  |                                    |
| STATES- 35                                  |                                     | 5 WITH HERD-MATES   | 5 8,186 4.4 358   | 10 10,052 411<br>DIFF. 1866- 53-                   |                                    |
| 117393                                      | .....                               | 30 AI DAUGHTERS     | 30 11,603 3.9 453   |  |                                    |
| AI STUO, 21-01 LISTED, 08-63                | 29                                  | WITH HERD-MATES     | 29 11,588 3.9 454   | 15 10,819 444<br>DIFF. 769 10                      | 10,128 394                         |
| STATES- 12,13,14,16,21,23,74                |                                     | 7 NDN-AI DAUGHTERS  | 10 12,421 4.0 496   |  |                                    |
|   |                                     | 7 WITH HERD-MATES   | 10 12,421 4.0 496   | 29 12,156 493<br>DIFF. 265 3                       |                                    |
| 117418                                      | .....                               | 5 NDN-AI DAUGHTERS  | 5 10,196 4.1 422  |  |                                    |
| STATES- 23                                  |                                     | 5 WITH HERD-MATES   | 5 10,196 4.1 422  | 37 9,955 430<br>DIFF. 241 8-                       |                                    |
| 117502                                      | .....                               | 6 NON-AI DAUGHTERS  | 10 12,458 4.4 545   |  |                                    |
| STATES- 15,16                               |                                     | 6 WITH HERD-MATES   | 10 12,458 4.4 545   | 23 11,454 462<br>DIFF. 1004 83                     |                                    |
| 117503                                      | .....                               | 5 NDN-AI DAUGHTERS  | 6 12,555 4.1 511  |  |                                    |
| STATES- 21                                  |                                     | 5 WITH HERD-MATES   | 6 12,555 4.1 511  | 19 11,301 461<br>DIFF. 1254 50                     |                                    |
| 117505                                      | .....                               | 8 NDN-AI DAUGHTERS  | 9 9,471 3.9 370   |  |                                    |
| STATES- 13                                  |                                     | 8 WITH HERD-MATES   | 9 9,471 3.9 370   | 22 9,666 400<br>DIFF. 195- 30-                     |                                    |
| 117506                                      | .....                               | 5 NON-AI DAUGHTERS  | 6 11,614 4.0 463  |  |                                    |
| STATES- 55                                  |                                     | 5 WITH HERD-MATES   | 6 11,614 4.0 463  | 17 11,605 457<br>DIFF. 9 6                         |                                    |
| 117518                                      | .....                               | 11 NON-AI DAUGHTERS | 11 9,722 4.2 406  |  |                                    |
| STATES- 21,23                               |                                     | 11 WITH HERD-MATES  | 11 9,722 4.2 406  | 10 10,067 413<br>DIFF. 345- 7-                     |                                    |
| 117528                                      | .....                               | 5 NDN-AI DAUGHTERS  | 5 10,430 4.4 461  |  |                                    |
| AI STUO, 31-01                              |                                     | 5 WITH HERD-MATES   | 5 10,430 4.4 461  | 13 10,642 444<br>DIFF. 212- 17                     |                                    |
| STATES- 33                                  |                                     |                     |   |  |                                    |
| 117536                                      | .....                               | 5 NDN-AI DAUGHTERS  | 5 8,868 4.0 354   |  |                                    |
| STATES- 21                                  |                                     | 5 WITH HERD-MATES   | 5 8,868 4.0 354   | 18 9,128 371<br>DIFF. 260- 17-                     |                                    |
| 117671                                      | .....                               | 5 NDN-AI DAUGHTERS  | 8 10,429 4.4 459  |  |                                    |
| STATES- 16                                  |                                     | 5 WITH HERD-MATES   | 8 10,429 4.4 459  | 26 10,611 444<br>DIFF. 182- 15                     |                                    |
| 117682                                      | LESSNESOCK VANDYKE.....             | 5 NDN-AI DAUGHTERS  | 5 9,590 4.2 402   |  |                                    |
| 03-28-56 96565 558909                       |                                     | 5 WITH HERD-MATES   | 5 9,590 4.2 402   | 9 10,197 426<br>DIFF. 607- 24-                     |                                    |
| AI STUO, 52-01 LISTED, 08-63                |                                     |                     |   |  |                                    |
| STATES- 12,14                               |                                     |                     |   |  |                                    |
| 117816                                      | SELWDDO BETTY-S VICTORY, IMP.....   | 30 AI DAUGHTERS     | 34 10,893 3.9 428   |  |                                    |
| 01-13-56 117225 560219                      | 27                                  | WITH HERD-MATES     | 31 11,008 3.9 430   | 10 9,706 393<br>DIFF. 1302 37                      | 10,410 409                         |
| AI STUO, 42-02 LISTED, 08-63                |                                     |                     |   |  |                                    |
| STATES- 42                                  |                                     | 20 NON-AI DAUGHTERS | 33 10,460 4.0 422   |  |                                    |
|   |                                     | 20 WITH HERD-MATES  | 33 10,460 4.0 422   | 13 10,181 407<br>DIFF. 279 15                      |                                    |
| 117905                                      | .....                               | 19 AI DAUGHTERS     | 23 10,084 4.1 417   |  |                                    |
| AI STUO, 48-01 LISTED, 08-63                | 18                                  | WITH HERD-MATES     | 20 9,938 4.2 419  | 8 9,770 405<br>DIFF. 168 14                        | 9,614 393                          |
| STATES- 48                                  |                                     |                     |   |  |                                    |
| 117936                                      | SELWDDO BETTY-S COMMANDER, IMP..... | 234 AI DAUGHTERS    | 339 12,455 4.1 510  |  |                                    |
| 01-14-53 111157 560219                      | 231                                 | WITH HERD-MATES     | 332 12,497 4.1 511  | 18 10,707 430<br>DIFF. 1790 81                     | 11,312 465                         |
| AI STUO, 21-01 LISTED, 08-63                |                                     |                     |   |  |                                    |
| STATES- 11,12,13,14,16,21,33,35,41,42,46,91 |                                     | 10 NDN-AI DAUGHTERS | 17 10,023 4.2 416   |  |                                    |
|   |                                     | 10 WITH HERD-MATES  | 17 10,023 4.2 416   | 20 8,910 368<br>DIFF. 1113 48                      |                                    |
| 117994                                      | .....                               | 8 NDN-AI DAUGHTERS  | 8 10,415 3.6 380  |  |                                    |
| STATES- 71,73,74                            |                                     | 7 WITH HERD-MATES   | 7 10,787 3.6 390  | 22 10,053 386<br>DIFF. 734 4                       |                                    |
| 118034                                      | .....                               | 5 NDN-AI DAUGHTERS  | 6 11,854 4.0 473  |  |                                    |
| STATES- 21                                  |                                     | 5 WITH HERD-MATES   | 6 11,854 4.0 473  | 11 11,294 449<br>DIFF. 560 24                      |                                    |

## SIRE OF OHIA DAUGHTERS

| AYRSHIRE                     |                            |     |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. MILK L8 | HERD-MATES FAT L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | AV. FAT L8 |
|------------------------------|----------------------------|-----|------------------|-------------|-----------------------|--------|-------------|------------------|-------------------|------------|-----------------------|------------|
| 118051                       | .....                      | 5   | NON-AI DAUGHTERS | 5           | 9,304                 | 4.5    | 422         |                  |                   |            |                       |            |
| STATES- 21                   |                            | 5   | WITH HERD-MATES  | 5           | 9,304                 | 4.5    | 422         | 5 OIFF.          | 10,231 927-       | 437 15-    |                       |            |
| 118052                       | .....                      | 7   | NON-AI DAUGHTERS | 7           | 12,057                | 4.4    | 529         |                  |                   |            |                       |            |
| STATES- 34                   |                            | 6   | WITH HERD-MATES  | 6           | 11,793                | 4.4    | 524         | 14 OIFF.         | 13,837 2044-      | 597 73-    |                       |            |
| 118060                       | .....                      | 10  | NON-AI DAUGHTERS | 10          | 9,587                 | 4.3    | 410         |                  |                   |            |                       |            |
| STATES- 13                   |                            | 10  | WITH HERD-MATES  | 10          | 9,587                 | 4.3    | 410         | 18 OIFF.         | 9,164 423         | 354 56     |                       |            |
| 118086                       | .....                      | 6   | NON-AI DAUGHTERS | 9           | 9,853                 | 4.1    | 402         |                  |                   |            |                       |            |
| STATES- 21                   |                            | 6   | WITH HERD-MATES  | 9           | 9,853                 | 4.1    | 402         | 15 OIFF.         | 9,557 296         | 377 25     |                       |            |
| 118088                       | .....                      | 6   | NON-AI DAUGHTERS | 6           | 11,828                | 3.8    | 452         |                  |                   |            |                       |            |
| STATES- 21                   |                            | 6   | WITH HERD-MATES  | 6           | 11,828                | 3.8    | 452         | 11 OIFF.         | 10,446 1382       | 411 41     |                       |            |
| 118123                       | .....                      | 6   | NON-AI DAUGHTERS | 8           | 7,942                 | 3.9    | 309         |                  |                   |            |                       |            |
| STATES- 48                   |                            | 6   | WITH HERD-MATES  | 8           | 7,942                 | 3.9    | 309         | 16 OIFF.         | 10,145 2203-      | 398 89-    |                       |            |
| 118155                       | .....                      | 7   | NON-AI DAUGHTERS | 7           | 6,600                 | 3.8    | 250         |                  |                   |            |                       |            |
| STATES- 65                   |                            | 7   | WITH HERD-MATES  | 7           | 6,600                 | 3.8    | 250         | 30 OIFF.         | 7,549 949-        | 271 21-    |                       |            |
| 118177                       | .....                      | 7   | NON-AI DAUGHTERS | 7           | 9,186                 | 4.5    | 413         |                  |                   |            |                       |            |
| STATES- 14                   |                            | 7   | WITH HERD-MATES  | 7           | 9,186                 | 4.5    | 413         | 27 OIFF.         | 10,863 1677-      | 464 51-    |                       |            |
| 118293                       | .....                      | 5   | NON-AI DAUGHTERS | 5           | 11,040                | 4.0    | 447         |                  |                   |            |                       |            |
| STATES- 15,16                |                            | 5   | WITH HERD-MATES  | 5           | 11,040                | 4.0    | 447         | 23 OIFF.         | 9,148 1892        | 368 79     |                       |            |
| 118437                       | .....                      | 5   | NON-AI DAUGHTERS | 6           | 10,559                | 3.6    | 382         |                  |                   |            |                       |            |
| STATES- 41                   |                            | 5   | WITH HERD-MATES  | 6           | 10,559                | 3.6    | 382         | 9 OIFF.          | 10,924 365-       | 429 47-    |                       |            |
| 118487                       | .....                      | 5   | NON-AI DAUGHTERS | 5           | 12,456                | 4.7    | 587         |                  |                   |            |                       |            |
| STATES- 14                   |                            | 5   | WITH HERD-MATES  | 5           | 12,456                | 4.7    | 587         | 45 OIFF.         | 12,672 216-       | 511 76     |                       |            |
| 118515                       | .....                      | 5   | NON-AI DAUGHTERS | 5           | 9,836                 | 4.3    | 426         |                  |                   |            |                       |            |
| STATES- 23                   |                            | 5   | WITH HERD-MATES  | 5           | 9,836                 | 4.3    | 426         | 111 OIFF.        | 9,663 173         | 394 32     |                       |            |
| 118561                       | .....                      | 6   | NON-AI DAUGHTERS | 6           | 10,228                | 4.3    | 443         |                  |                   |            |                       |            |
| STATES- 21,23                |                            | 5   | WITH HERD-MATES  | 5           | 10,592                | 4.4    | 463         | 16 OIFF.         | 11,537 945-       | 486 23-    |                       |            |
| 118599                       | .....                      | 11  | NON-AI DAUGHTERS | 11          | 9,503                 | 4.4    | 418         |                  |                   |            |                       |            |
| STATES- 23,52                |                            | 10  | WITH HERD-MATES  | 10          | 9,951                 | 4.4    | 440         | 33 OIFF.         | 9,783 168         | 421 19     |                       |            |
| 118626                       | .....                      | 5   | NON-AI DAUGHTERS | 7           | 9,357                 | 4.0    | 372         |                  |                   |            |                       |            |
| STATES- 21                   |                            | 5   | WITH HERD-MATES  | 7           | 9,357                 | 4.0    | 372         | 15 OIFF.         | 8,050 1307        | 323 49     |                       |            |
| 118669                       | .....                      | 13  | NON-AI DAUGHTERS | 15          | 10,299                | 4.0    | 411         |                  |                   |            |                       |            |
| STATES- 12                   |                            | 13  | WITH HERD-MATES  | 15          | 10,299                | 4.0    | 411         | 31 OIFF.         | 10,528 229-       | 424 13-    |                       |            |
| 118681                       | .....                      | 2   | AI DAUGHTERS     | 2           | 9,890                 | 3.9    | 382         |                  |                   |            |                       |            |
| AI STUO, 33-03               |                            | 1   | WITH HERD-MATES  | 1           | 8,430                 | 4.1    | 342         | 4 OIFF.          | 8,020 410         | 328 14     | 9,515                 | 384        |
| STATES- 14,21,23,54          |                            | 3   | NON-AI DAUGHTERS | 3           | 9,960                 | 4.2    | 420         |                  |                   |            |                       |            |
|                              |                            | 3   | WITH HERD-MATES  | 3           | 9,960                 | 4.2    | 420         | 22 OIFF.         | 10,139 179-       | 407 13     |                       |            |
| 118781                       | .....                      | 5   | NON-AI DAUGHTERS | 5           | 7,810                 | 4.4    | 344         |                  |                   |            |                       |            |
| STATES- 41,42                |                            | 4   | WITH HERD-MATES  | 4           | 7,090                 | 4.4    | 314         | 7 OIFF.          | 8,832 1742-       | 360 46-    |                       |            |
| 118811                       | .....                      | 5   | NON-AI DAUGHTERS | 5           | 6,944                 | 3.7    | 257         |                  |                   |            |                       |            |
| STATES- 31                   |                            | 5   | WITH HERD-MATES  | 5           | 6,944                 | 3.7    | 257         | 5 OIFF.          | 8,705 1761-       | 342 85-    |                       |            |
| 118834                       | SELWOOD DEBONAIR, IMP..... |     |                  |             |                       |        |             |                  |                   |            |                       |            |
| 10-25-56                     | 111157 570666              | 140 | AI DAUGHTERS     | 172         | 11,766                | 3.9    | 464         |                  |                   |            |                       |            |
| AI STUO, 21-01 LISTED, 08-63 |                            | 140 | WITH HERD-MATES  | 171         | 11,769                | 3.9    | 464         | 15 OIFF.         | 10,641 1128       | 427 37     | 10,640                | 421        |
| STATES- 12,13,16,21,23       |                            | 1   | NON-AI DAUGHTERS | 1           | 8,460                 | 4.1    | 348         |                  |                   |            |                       |            |
|                              |                            | 1   | WITH HERD-MATES  | 1           | 8,460                 | 4.1    | 348         | 5 OIFF.          | 8,407 53          | 332 16     |                       |            |

## SIREs OF DHIA DAUGHTERS

| AYKSHIRE  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 118835 BURNHDLN TRADITION.....                  |                        |            |           |           |                     |            |           |               |           |
| D8-14-57 104053 445366 29 AI DAUGHTERS          | 31                     | 9,542      | 3.9       | 376       |                     |            |           |               |           |
| AI STUD, 21-01 LISTED, D8-63 27 WITH HERD-MATES | 29                     | 9,453      | 4.0       | 374       | 17                  | 10,170     | 412       | 9,048         | 359       |
| STATES- 11,12,13,14,21                          |                        |            |           |           | DIFF.               | 717-       | 38-       |               |           |
| 118865 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 42 5 NDN-AI DAUGHTERS                   | 5                      | 8,514      | 4.1       | 347       | 10                  | 8,308      | 335       |               |           |
| 5 WITH HERD-MATES                               | 5                      | 8,514      | 4.1       | 347       | DIFF.               | 206        | 12        |               |           |
| 118962 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 15,16 7 NDN-AI DAUGHTERS                | 7                      | 9,404      | 3.8       | 361       | 36                  | 9,667      | 385       |               |           |
| 7 WITH HERD-MATES                               | 7                      | 9,404      | 3.8       | 361       | DIFF.               | 263-       | 24-       |               |           |
| 118995 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 13 6 NDN-AI DAUGHTERS                   | 6                      | 8,483      | 4.1       | 352       | 6                   | 11,030     | 424       |               |           |
| 6 WITH HERD-MATES                               | 6                      | 8,483      | 4.1       | 352       | DIFF.               | 2547-      | 72-       |               |           |
| 119002 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 21 5 NDN-AI DAUGHTERS                   | 5                      | 10,960     | 4.5       | 497       | 11                  | 11,567     | 475       |               |           |
| 5 WITH HERD-MATES                               | 5                      | 10,960     | 4.5       | 497       | DIFF.               | 607-       | 22        |               |           |
| 119047 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 23 6 NDN-AI DAUGHTERS                   | 7                      | 12,247     | 4.4       | 534       | 6                   | 10,558     | 430       |               |           |
| 6 WITH HERD-MATES                               | 7                      | 12,247     | 4.4       | 534       | DIFF.               | 1689       | 104       |               |           |
| 119057 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 91 6 NDN-AI DAUGHTERS                   | 7                      | 11,884     | 4.1       | 485       | 7                   | 10,657     | 431       |               |           |
| 6 WITH HERD-MATES                               | 7                      | 11,884     | 4.1       | 485       | DIFF.               | 1227       | 54        |               |           |
| 119110 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 21,23 11 NDN-AI DAUGHTERS               | 11                     | 9,339      | 4.0       | 374       | 14                  | 9,907      | 410       |               |           |
| 10 WITH HERD-MATES                              | 10                     | 9,610      | 4.0       | 384       | DIFF.               | 297-       | 26-       |               |           |
| 119218 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 23 6 NDN-AI DAUGHTERS                   | 6                      | 9,828      | 4.5       | 438       | 15                  | 9,319      | 389       |               |           |
| 6 WITH HERD-MATES                               | 6                      | 9,828      | 4.5       | 438       | DIFF.               | 509        | 49        |               |           |
| 119238 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 33 6 NDN-AI DAUGHTERS                   | 6                      | 9,353      | 4.5       | 419       | 11                  | 11,309     | 480       |               |           |
| 6 WITH HERD-MATES                               | 6                      | 9,353      | 4.5       | 419       | DIFF.               | 1956-      | 61-       |               |           |
| 119293 GALNEY JACE CDIN.....                    |                        |            |           |           |                     |            |           |               |           |
| 11-10-57 111071 403631 33 AI DAUGHTERS          | 33                     | 11,255     | 4.0       | 448       | 14                  | 10,348     | 423       | 10,221        | 404       |
| AI STUD, 21-01 LISTED, 08-63 33 WITH HERD-MATES | 33                     | 11,255     | 4.0       | 448       | DIFF.               | 907        | 25        |               |           |
| STATES- 13,21 1 NDN-AI DAUGHTERS                | 1                      | 15,970     | 3.9       | 624       | 19                  | 13,088     | 485       |               |           |
| 1 WITH HERD-MATES                               | 1                      | 15,970     | 3.9       | 624       | DIFF.               | 2882       | 139       |               |           |
| 119306 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 12 9 NDN-AI DAUGHTERS                   | 9                      | 8,462      | 4.5       | 384       | 12                  | 9,719      | 418       |               |           |
| 9 WITH HERD-MATES                               | 9                      | 8,462      | 4.5       | 384       | DIFF.               | 1257-      | 34-       |               |           |
| 119500 LESSNESSDCK CLARION.....                 |                        |            |           |           |                     |            |           |               |           |
| D1-20-52 119499 558908 8 NDN-AI DAUGHTERS       | 8                      | 9,276      | 4.2       | 392       | 17                  | 10,803     | 466       |               |           |
| AI STUD, 51-02 LISTED, 08-63 8 WITH HERD-MATES  | 8                      | 9,276      | 4.2       | 392       | DIFF.               | 1527-      | 74-       |               |           |
| STATES- 11,14,23,41,52                          |                        |            |           |           |                     |            |           |               |           |
| 119570 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 48 6 NDN-AI DAUGHTERS                   | 6                      | 8,258      | 3.8       | 311       | 6                   | 9,112      | 341       |               |           |
| 6 WITH HERD-MATES                               | 6                      | 8,258      | 3.8       | 311       | DIFF.               | 854-       | 30-       |               |           |
| 119592 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 21,54 5 NDN-AI DAUGHTERS                | 5                      | 10,128     | 3.9       | 395       | 13                  | 11,190     | 442       |               |           |
| 5 WITH HERD-MATES                               | 5                      | 10,128     | 3.9       | 395       | DIFF.               | 1062-      | 47-       |               |           |
| 119648 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 33 5 NDN-AI DAUGHTERS                   | 5                      | 10,732     | 4.0       | 434       | 10                  | 10,360     | 423       |               |           |
| 5 WITH HERD-MATES                               | 5                      | 10,732     | 4.0       | 434       | DIFF.               | 372        | 11        |               |           |
| 120074 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 13,42 5 NDN-AI DAUGHTERS                | 7                      | 11,941     | 4.0       | 478       | 19                  | 11,692     | 459       |               |           |
| 5 WITH HERD-MATES                               | 7                      | 11,941     | 4.0       | 478       | DIFF.               | 249        | 19        |               |           |
| 120076 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 81 5 NDN-AI DAUGHTERS                   | 5                      | 9,784      | 4.5       | 444       | 12                  | 11,555     | 477       |               |           |
| 5 WITH HERD-MATES                               | 5                      | 9,784      | 4.5       | 444       | DIFF.               | 1771-      | 33-       |               |           |
| 120158 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 91 9 NDN-AI DAUGHTERS                   | 9                      | 11,398     | 4.0       | 460       | 21                  | 10,814     | 444       |               |           |
| 9 WITH HERD-MATES                               | 9                      | 11,398     | 4.0       | 460       | DIFF.               | 584        | 16        |               |           |
| 120254 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 42 6 NDN-AI DAUGHTERS                   | 8                      | 10,675     | 4.3       | 454       | 8                   | 10,618     | 441       |               |           |
| 6 WITH HERD-MATES                               | 8                      | 10,675     | 4.3       | 454       | DIFF.               | 57         | 13        |               |           |

## SIRE OF DHIA DAUGHTERS

| AYRSHIRE                     | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|------------------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                              | RECDROS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 120314 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 11                   | 7                      | 8,911      | 3.9       | 351       |                     |            |           |               |           |
|                              | 7                      | 8,911      | 3.9       | 351       | 29                  | 9,249      | 367       |               |           |
|                              |                        |            |           |           | DIFF.               | 338-       | 16-       |               |           |
| 120417 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 42                   | 6                      | 8,003      | 4.0       | 322       |                     |            |           |               |           |
|                              | 6                      | 8,003      | 4.0       | 322       | 9                   | 7,770      | 304       |               |           |
|                              |                        |            |           |           | DIFF.               | 233        | 18        |               |           |
| 120446 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 42                   | 6                      | 10,443     | 4.1       | 424       |                     |            |           |               |           |
|                              | 6                      | 10,443     | 4.1       | 424       | 55                  | 11,032     | 436       |               |           |
|                              |                        |            |           |           | DIFF.               | 589-       | 12-       |               |           |
| 120564 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 57                   | 7                      | 9,811      | 3.8       | 370       |                     |            |           |               |           |
|                              | 7                      | 9,811      | 3.8       | 370       | 19                  | 10,245     | 365       |               |           |
|                              |                        |            |           |           | DIFF.               | 434-       | 5         |               |           |
| 120838 ALLEN-AYR SYLVAN..... |                        |            |           |           |                     |            |           |               |           |
| 10-21-56 72906 381457        | 9                      | 10,002     | 4.3       | 429       |                     |            |           |               |           |
| AI STUD, 35-04 LISTED, 08-63 | 9                      | 10,002     | 4.3       | 429       | 13                  | 10,206     | 421       |               |           |
| STATES- 35                   |                        |            |           |           | DIFF.               | 204-       | 8         |               |           |
| 121008 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                   | 7                      | 12,591     | 3.9       | 490       |                     |            |           |               |           |
|                              | 7                      | 12,591     | 3.9       | 490       | 7                   | 11,035     | 466       |               |           |
|                              |                        |            |           |           | DIFF.               | 1556       | 24        |               |           |
| 121563 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 91                   | 7                      | 6,514      | 4.3       | 278       |                     |            |           |               |           |
|                              | 7                      | 6,514      | 4.3       | 278       | 9                   | 8,098      | 336       |               |           |
|                              |                        |            |           |           | DIFF.               | 1584-      | 58-       |               |           |
| 121618 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 14                   | 5                      | 9,924      | 4.2       | 419       |                     |            |           |               |           |
|                              | 5                      | 9,924      | 4.2       | 419       | 6                   | 9,544      | 397       |               |           |
|                              |                        |            |           |           | DIFF.               | 380        | 22        |               |           |
| 122066 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 42                   | 5                      | 12,016     | 4.2       | 508       |                     |            |           |               |           |
|                              | 5                      | 12,016     | 4.2       | 508       | 6                   | 9,850      | 384       |               |           |
|                              |                        |            |           |           | DIFF.               | 2166       | 124       |               |           |
| 122173 .....                 |                        |            |           |           |                     |            |           |               |           |
| STATES- 13                   | 5                      | 8,006      | 4.2       | 336       |                     |            |           |               |           |
|                              | 5                      | 8,006      | 4.2       | 336       | 8                   | 10,038     | 425       |               |           |
|                              |                        |            |           |           | DIFF.               | 2032-      | 89-       |               |           |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY                       |                               |         |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|--------------------------------|-------------------------------|---------|------------------|------------------------|---------------------|---------------|
|                                |                               | RECORDS | MILK             | TEST                   | MILK                | MILK          |
|                                |                               | NUMBER  | L8               | %                      | FAT                 | FAT           |
|                                |                               |         |                  |                        | NUMBER              | L8            |
| 262516                         | NDN-AI DAUGHTERS              | 8       | 8,694            | 4.5                    | 391                 |               |
| STATES- 11,21,31,55            |                               |         |                  |                        |                     |               |
| 289244                         | LANGWATER OARIUS              |         |                  |                        |                     |               |
| 10-17-39                       | 252899 501195                 | 164     | AI DAUGHTERS     | 403                    | 8,182               | 4.6           |
| AI STUD, 12-01                 |                               | 80      | WITH HERD-MATES  | 237                    | 8,195               | 4.5           |
| STATES- 11,12,13,14,16,21,22,  |                               |         |                  |                        | 10                  | 8,189         |
| 23,34,35,52,55                 |                               | 54      | NON-AI DAUGHTERS | 138                    | 7                   | 382           |
|                                |                               | 13      | WITH HERD-MATES  | 48                     | 13-                 | 8,415         |
|                                |                               |         |                  |                        | 17                  | 408           |
|                                |                               |         |                  |                        | DIFF.               | 5-            |
| 298216                         | FRA-MAR PHARAOH               |         |                  |                        |                     |               |
| 03-01-40                       | 230720 288041                 | 573     | AI DAUGHTERS     | 1432                   | 9,057               | 4.31          |
| AI STUD, 21-01                 |                               | 313     | WITH HERD-MATES  | 983                    | 614                 | 431           |
| STATES- 11,12,13,14,16,21,22,  |                               |         |                  |                        | 12                  | 9,080         |
| 23,33,51,52,54,58,63,93        |                               | 17      | NON-AI DAUGHTERS | 52                     | 2                   | 410           |
|                                |                               | 1       | WITH HERD-MATES  | 10                     | 9,336               | 464           |
|                                |                               |         |                  |                        | 6                   | 93            |
|                                |                               |         |                  |                        | DIFF.               |               |
| 331204                         | ODUGLASTDN BARDN KENYDN       |         |                  |                        |                     |               |
| 11-01-42                       | 226719 311829                 | 359     | AI DAUGHTERS     | 827                    | 8,917               | 4.30          |
| AI STUD, 21-01                 |                               | 125     | WITH HERD-MATES  | 418                    | 102                 | 8-400         |
| STATES- 11,13,14,16,21,22,23,  |                               |         |                  |                        | 8                   | 437           |
| 31,32,47,51,55,58,74,93        |                               | 25      | NDN-AI DAUGHTERS | 78                     | 842                 | 30            |
|                                |                               | 3       | WITH HERD-MATES  | 10                     |                     |               |
|                                |                               |         |                  |                        | DIFF.               |               |
| 334282                         | MCDONALD FARMS STEADFAST KING |         |                  |                        |                     |               |
| 10-20-42                       | 233983 651229                 | 152     | AI DAUGHTERS     | 352                    | 7,955               | 4.7           |
| AI STUD, 31-01                 |                               | 106     | WITH HERD-MATES  | 274                    | 8,017               | 4.7           |
| STATES- 12,13,14,23,31,32,65   |                               |         |                  |                        | 6                   | 8,271         |
|                                |                               | 29      | NON-AI DAUGHTERS | 63                     | 254-                | 390           |
|                                |                               | 12      | WITH HERD-MATES  | 32                     | 6                   | 418           |
|                                |                               |         |                  |                        | 955-                | 36-           |
|                                |                               |         |                  |                        | DIFF.               |               |
| 340511                         | SOUTHAMPTDN MAXIM             |         |                  |                        |                     |               |
| 07-09-43                       | 301627 536049                 | 147     | NON-AI DAUGHTERS | 435                    | 9,817               | 4.8           |
| STATES- 51,52,55,61,63,65,72   |                               | 109     | WITH HERD-MATES  | 318                    | 10,072              | 4.8           |
|                                |                               |         |                  |                        | 42                  | 9,205         |
|                                |                               |         |                  |                        | DIFF.               | 448           |
| 344748                         |                               |         |                  |                        |                     |               |
| AI STUD, 35-05                 |                               | 3       | AI DAUGHTERS     | 7                      | 8,285               | 4.8           |
| STATES- 16,32,33,34,35,41,82,  |                               | 3       | WITH HERD-MATES  | 7                      | 8,285               | 4.8           |
| 84,85                          |                               | 57      | NDN-AI DAUGHTERS | 136                    | 7,953               | 5.0           |
|                                |                               | 37      | WITH HERD-MATES  | 88                     | 8,341               | 5.0           |
|                                |                               |         |                  |                        | 10                  | 8,370         |
|                                |                               |         |                  |                        | DIFF.               | 407           |
|                                |                               |         |                  |                        |                     | 6             |
| 346065                         | CURTISS CANDY LEVITY HEIR     |         |                  |                        |                     |               |
| 11-15-43                       | 288158 680469                 | 424     | AI DAUGHTERS     | 954                    | 7,713               | 4.6           |
| AI STUD, 33-03                 |                               | 364     | WITH HERD-MATES  | 844                    | 7,750               | 4.6           |
| STATES- 11,13,15,16,21,22,23,  |                               |         |                  |                        | 10                  | 8,365         |
| 31,32,33,34,35,41,42,43,47,50, |                               | 17      | NON-AI DAUGHTERS | 42                     | 615-                | 400           |
| 51,54,55,57,58,61,64,65,72,73, |                               | 9       | WITH HERD-MATES  | 29                     | 7                   | 41-           |
| 82,87,91,93                    |                               |         |                  |                        | 8,345               | 405           |
|                                |                               |         |                  |                        | 1241-               | 63-           |
|                                |                               |         |                  |                        | DIFF.               |               |
| 353834                         | MCDONALD FARMS INHERITDR      |         |                  |                        |                     |               |
| 08-27-43                       | 262516 583072                 | 242     | AI DAUGHTERS     | 685                    | 8,157               | 5.2           |
| AI STUD, 51-01                 |                               | 195     | WITH HERD-MATES  | 586                    | 8,305               | 5.2           |
| STATES- 21,22,23,33,34,51,52,  |                               |         |                  |                        | 14                  | 8,370         |
| 54,58                          |                               | 29      | NON-AI DAUGHTERS | 100                    | 65-                 | 407           |
|                                |                               | 11      | WITH HERD-MATES  | 49                     | 3                   | 23            |
|                                |                               |         |                  |                        | 8,741               | 432           |
|                                |                               |         |                  |                        | 509                 | 29            |
|                                |                               |         |                  |                        | DIFF.               |               |
| 354224                         | CURTISS CANDY LEVITY CHUM     |         |                  |                        |                     |               |
| 03-25-44                       | 288158 369600                 | 601     | AI DAUGHTERS     | 1556                   | 7,843               | 4.7           |
| AI STUD, 33-03                 |                               | 539     | WITH HERD-MATES  | 1438                   | 7,841               | 4.7           |
| STATES- 12,13,16,21,22,23,31,  |                               |         |                  |                        | 10                  | 8,269         |
| 32,33,34,35,41,42,43,47,50,51, |                               | 12      | NON-AI DAUGHTERS | 30                     | 428-                | 396           |
| 52,54,61,63,64,72,82,84,87,93  |                               | 7       | WITH HERD-MATES  | 20                     | 8                   | 31-           |
|                                |                               |         |                  |                        | 8,642               | 397           |
|                                |                               |         |                  |                        | 413-                | 22-           |
|                                |                               |         |                  |                        | DIFF.               |               |
| 378800                         |                               |         |                  |                        |                     |               |
| STATES- 22,23                  |                               | 5       | NDN-AI DAUGHTERS | 9                      | 7,620               | 4.8           |
|                                |                               | 1       | WITH HERD-MATES  | 1                      | 9,740               | 4.4           |
|                                |                               |         |                  |                        | 11                  | 7,428         |
|                                |                               |         |                  |                        | DIFF.               | 347           |
|                                |                               |         |                  |                        |                     | 86            |
| 390340                         | FLYING HDRSE CLARA-S GENERAL  |         |                  |                        |                     |               |
| 02-04-46                       | 353618 767875                 | 75      | AI DAUGHTERS     | 166                    | 9,022               | 5.0           |
| AI STUD, 35-75                 |                               | 65      | WITH HERD-MATES  | 150                    | 9,111               | 5.0           |
| STATES- 16,23,51,74,81,82,84,  |                               |         |                  |                        | 13                  | 9,284         |
| 85,86,87,91,92,93              |                               | 60      | NDN-AI DAUGHTERS | 221                    | 173-                | 450           |
|                                |                               | 45      | WITH HERD-MATES  | 184                    | 2                   | 8,356         |
|                                |                               |         |                  |                        | 12                  | 410           |
|                                |                               |         |                  |                        | 9,379               | 464           |
|                                |                               |         |                  |                        | 96                  | 23            |
|                                |                               |         |                  |                        | DIFF.               |               |
| 390615                         |                               |         |                  |                        |                     |               |
| STATES- 56                     |                               | 14      | NDN-AI DAUGHTERS | 14                     | 6,794               | 4.3           |
|                                |                               |         |                  |                        |                     | 291           |
| 395383                         |                               |         |                  |                        |                     |               |
| STATES- 92                     |                               | 5       | NON-AI DAUGHTERS | 13                     | 9,077               | 4.4           |
|                                |                               | 4       | WITH HERD-MATES  | 12                     | 9,374               | 4.4           |
|                                |                               |         |                  |                        | 15                  | 9,807         |
|                                |                               |         |                  |                        | DIFF.               | 449           |
|                                |                               |         |                  |                        |                     | 39-           |
| 409032                         | CURTISS CANDY ND8LE CURTISS   |         |                  |                        |                     |               |
| 06-02-47                       | 354224 789080                 | 931     | AI DAUGHTERS     | 2406                   | 8,500               | 4.7           |
| AI STUD, 33-03                 |                               | 828     | WITH HERD-MATES  | 2215                   | 8,499               | 4.7           |
| STATES- 11,13,14,16,21,22,23,  |                               |         |                  |                        | 10                  | 8,470         |
| 31,32,33,34,35,41,42,43,47,50, |                               | 2       | NON-AI DAUGHTERS | 3                      | 29                  | 405           |
| 51,54,55,58,61,63,64,65,72,82, |                               | 2       | WITH HERD-MATES  | 3                      | 5                   | 2-            |
| 84,91,92,93                    |                               |         |                  |                        | 7,926               | 395           |
|                                |                               |         |                  |                        | 1843-               | 96-           |
|                                |                               |         |                  |                        | DIFF.               |               |

## SIRE OF OHIA DAUGHTERS

## GUERNSEY

| STRES OF DAUGHTERS  |  |  |  | AV. RECORDS | PRODUCTION OF MILK LBS | OF TEST % | DAU. FAT LBS | ADJ. AV. NMBER | HERD-MATES MILK LBS | AV. FAT LBS | PREDICTED MILK LBS | AV. FAT LBS |  |
|---|--|--|--|-------------|------------------------|-----------|--------------|----------------|---------------------|-------------|--------------------|-------------|--|
| GUERNSEY  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 411471 .....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| STATES- 51  |  |  |  | 5           | NON-AI DAUGHTERS       | 7         | 7,156        | 4.9            | 353                 |             |                    |             |  |
|   |  |  |  | 5           | WITH HERD-MATES        | 7         | 7,156        | 4.9            | 353                 | 21 DIFF.    | 7,527 371-         | 349 4       |  |
| 421105 WOODACRES RDYAL BARON.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 06-15-47 380150 639815 211 AI DAUGHTERS   |  |  |  | 427         | 7,963                  | 4.8       | 385          |                |                     |             |                    |             |  |
| AI STUD, 23-05 LISTED, 08-63 191 WITH HERD-MATES  |  |  |  | 387         | 8,017                  | 4.9       | 389          | 8 DIFF.        | 8,400 383-          | 405 16-     | 8,067              | 390         |  |
| STATES- 23  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 425345 MOREAU FARMS CHIEF.....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 11-09-47 298216 593508 1125 AI DAUGHTERS  |  |  |  | 1975        | 8,912                  | 4.9       | 434          |                |                     |             |                    |             |  |
| AI STUD, 21-01 LISTED, 08-63 1041 WITH HERD-MATES   |  |  |  | 1846        | 8,941                  | 4.9       | 435          | 14 DIFF.       | 9,066 125-          | 430 5       | 8,370              | 412         |  |
| STATES- 12,13,14,16,21,22,23, 33,43,48,51,55,56,57,58,63  |  |  |  | 21          | NON-AI DAUGHTERS       | 63        | 8,703        | 5.0            | 439                 |             |                    |             |  |
|   |  |  |  | 9           | WITH HERD-MATES        | 24        | 8,963        | 5.0            | 451                 | 6 DIFF.     | 8,823 140          | 423 28      |  |
| 427594 .....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| STATES- 52,55   |  |  |  | 5           | NDN-AI DAUGHTERS       | 5         | 7,174        | 4.9            | 348                 |             |                    |             |  |
|   |  |  |  | 4           | WITH HERD-MATES        | 4         | 7,505        | 4.8            | 360                 | 20 DIFF.    | 8,528 1023-        | 405 45-     |  |
| 431108 HANES- RDBERT DICKS.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 04-17-48 372734 733542 132 NDN-AI DAUGHTERS   |  |  |  | 201         | 8,329                  | 4.6       | 380          |                |                     |             |                    |             |  |
| LISTED, 08-63 117 WITH HERD-MATES   |  |  |  | 177         | 8,481                  | 4.5       | 384          | 46 DIFF.       | 8,930 449-          | 404 20-     |                    |             |  |
| STATES- 43,48,63,65,72,73,74  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 431647 HOMINY HILL CORDNATION PRINCE.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 05-22-48 250949 615412 30 NDN-AI DAUGHTERS  |  |  |  | 71          | 8,542                  | 5.0       | 423          |                |                     |             |                    |             |  |
| AI STUD, 33-03 LISTED, 08-63 21 WITH HERD-MATES   |  |  |  | 56          | 8,653                  | 4.9       | 420          | 23 DIFF.       | 8,997 344-          | 433 13-     |                    |             |  |
| STATES- 14,16,22,23,32,51,63, 64,65,71,72   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 432882 LOCUST GROVE I. ACF.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 08-19-48 362356 702106 359 AI DAUGHTERS   |  |  |  | 638         | 8,456                  | 4.7       | 394          |                |                     |             |                    |             |  |
| AI STUD, 23-05 LISTED, 08-63 333 WITH HERD-MATES  |  |  |  | 594         | 8,557                  | 4.7       | 399          | 11 DIFF.       | 8,525 32            | 413 14-     | 8,469              | 393         |  |
| STATES- 23,51   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 434665 .....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| STATES- 13  |  |  |  | 5           | NDN-AI DAUGHTERS       | 5         | 8,286        | 4.0            | 334                 |             |                    |             |  |
|   |  |  |  | 2           | WITH HERD-MATES        | 2         | 9,205        | 3.9            | 355                 | 6 DIFF.     | 8,516 689          | 366 11-     |  |
| 435989 APPIN-S VENDER.....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 11-18-48 312671 629165 244 AI DAUGHTERS   |  |  |  | 387         | 7,821                  | 4.9       | 384          |                |                     |             |                    |             |  |
| AI STUD, 35-75 LISTED, 08-63 233 WITH HERD-MATES  |  |  |  | 360         | 7,845                  | 4.9       | 385          | 26 DIFF.       | 8,434 589-          | 403 18-     | 7,870              | 388         |  |
| STATES- 13,14,16,21,22,23,32, 33,34,42,43,48,52,55,56,57,58, 63,64,71,82,84,91,92                 |  |  |  | 27          | NON-AI DAUGHTERS       | 74        | 8,553        | 4.8            | 414                 |             |                    |             |  |
|   |  |  |  | 22          | WITH HERD-MATES        | 63        | 8,449        | 4.9            | 413                 | 15 DIFF.    | 8,686 237-         | 413         |  |
| 438330 FAIRLAWN PFER-S MAY RDYAL.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 11-07-48 404433 877494 58 AI DAUGHTERS  |  |  |  | 69          | 8,679                  | 4.8       | 415          |                |                     |             |                    |             |  |
| AI STUD, 35-02 LISTED, 08-63 56 WITH HERD-MATES   |  |  |  | 67          | 8,693                  | 4.8       | 415          | 14 DIFF.       | 8,865 172-          | 427 12-     | 8,324              | 397         |  |
| STATES- 33,34,35,47,71,72,84, 93  |  |  |  | 59          | NDN-AI DAUGHTERS       | 123       | 9,149        | 4.8            | 436                 |             |                    |             |  |
|   |  |  |  | 42          | WITH HERD-MATES        | 95        | 9,135        | 4.8            | 436                 | 18 DIFF.    | 9,073 62           | 436         |  |
| 439592 MCDONALD FARMS FORE HIGHTIME.....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 09-09-48 336450 1001636 158 AI DAUGHTERS  |  |  |  | 313         | 8,674                  | 5.0       | 430          |                |                     |             |                    |             |  |
| AI STUD, 33-01 LISTED, 08-63 140 WITH HERD-MATES  |  |  |  | 281         | 8,693                  | 5.0       | 432          | 7 DIFF.        | 8,792 99-           | 427 5       | 8,372              | 411         |  |
| STATES- 33,35,42,71   |  |  |  | 25          | NDN-AI DAUGHTERS       | 60        | 8,527        | 5.0            | 425                 |             |                    |             |  |
|   |  |  |  | 15          | WITH HERD-MATES        | 47        | 8,295        | 4.8            | 397                 | 5 DIFF.     | 8,101 194          | 405 8-      |  |
| 440484 LANGMEADW MAGAR.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 12-05-48 327238 931270 241 AI DAUGHTERS   |  |  |  | 348         | 9,551                  | 4.9       | 464          |                |                     |             |                    |             |  |
| AI STUD, 34-01 LISTED, 08-63 238 WITH HERD-MATES  |  |  |  | 341         | 9,594                  | 4.9       | 466          | 16 DIFF.       | 9,229 365           | 451 15      | 8,853              | 424         |  |
| STATES- 23,31,32,33,34,35,41, 48,55,56,65,71  |  |  |  | 18          | NDN-AI DAUGHTERS       | 57        | 11,451       | 4.8            | 551                 |             |                    |             |  |
|   |  |  |  | 15          | WITH HERD-MATES        | 50        | 11,773       | 4.8            | 569                 | 15 DIFF.    | 10,029 1744        | 498 71      |  |
| 440747 LOCUST GROVE H. SOVEREIGN.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 02-03-49 376464 812708 1075 AI DAUGHTERS  |  |  |  | 1927        | 8,644                  | 4.8       | 415          |                |                     |             |                    |             |  |
| AI STUD, 23-05 LISTED, 08-63 1035 WITH HERD-MATES   |  |  |  | 1832        | 8,654                  | 4.8       | 416          | 9 DIFF.        | 8,746 92-           | 417 1-      | 8,371              | 405         |  |
| STATES- 23,51,64  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 444418 CURTISS CANDY GOLDEN CURTISS.....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 03-16-49 409032 697385 434 AI DAUGHTERS   |  |  |  | 884         | 8,260                  | 4.6       | 378          |                |                     |             |                    |             |  |
| AI STUD, 33-03 386 WITH HERD-MATES  |  |  |  | 799         | 8,280                  | 4.6       | 380          | 10 DIFF.       | 8,401 121-          | 402 22-     | 8,311              | 384         |  |
| STATES- 12,13,16,21,22,23,31, 32,33,34,35,41,42,43,50,51,52, 54,57,58,61,63,65,72,82,84,87, 91,92 |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 445765 FRANCHESTER FREE STERLING.....   |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 01-13-49 288588 621640 154 AI DAUGHTERS   |  |  |  | 240         | 8,130                  | 4.8       | 392          |                |                     |             |                    |             |  |
| AI STUD, 31-01 LISTED, 08-63 141 WITH HERD-MATES  |  |  |  | 222         | 8,146                  | 4.8       | 393          | 19 DIFF.       | 8,578 432-          | 399 6-      | 8,046              | 399         |  |
| STATES- 16,23,31,32,34,56,58, 64,65,72,74,84,85   |  |  |  | 15          | NON-AI DAUGHTERS       | 43        | 8,847        | 4.6            | 408                 |             |                    |             |  |
|   |  |  |  | 11          | WITH HERD-MATES        | 35        | 9,485        | 4.6            | 440                 | 28 DIFF.    | 9,158 327          | 442 2-      |  |
| 446227 WANDAMFRE ANSON-S RDND.....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 06-08-49 298155 868370 89 NON-AI DAUGHTERS  |  |  |  | 153         | 9,890                  | 4.8       | 477          |                |                     |             |                    |             |  |
| LISTED, 08-62 82 WITH HERD-MATES  |  |  |  | 146         | 10,072                 | 4.8       | 486          | 26 DIFF.       | 10,421 349-         | 509 23-     |                    |             |  |
| STATES- 21,23,31,51,52,63,92  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 446687 BOULDER BRIDGE CAPULET.....  |  |  |  |             |                        |           |              |                |                     |             |                    |             |  |
| 01-25-49 407865 1054588 238 AI DAUGHTERS  |  |  |  | 554         | 9,117                  | 4.9       | 451          |                |                     |             |                    |             |  |
| AI STUD, 33-01 LISTED, 08-63 223 WITH HERD-MATES  |  |  |  | 523         | 9,108                  | 5.0       | 451          | 8 DIFF.        | 8,849 259           | 427 24      | 8,713              | 429         |  |
| STATES- 23,33,35,41,47  |  |  |  | 3           | NDN-AI DAUGHTERS       | 10        | 9,777        | 5.0            | 487                 |             |                    |             |  |
|   |  |  |  | 3           | WITH HERD-MATES        | 10        | 9,777        | 5.0            | 487                 | 4 DIFF.     | 8,728 1049         | 423 64      |  |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 447108 PRESTDALE PHYL-S TRDUBADDUR.....   |                        |            |           |           |                     |            |           |               |           |
| 04-26-49 368811 1001882 21 AI DAUGHTERS   | 36                     | 8,967      | 4.7       | 420       |                     |            |           |               |           |
| AI STUD, 87-01 LISTED, 08-63 14 WITH HERD-MATES   | 25                     | 9,195      | 4.8       | 440       |                     |            |           |               |           |
| STATES- 82,83,87,92   |                        |            |           |           | 6                   | 9,015      | 429       | 8,556         | 412       |
|   | 26                     | 10,016     | 4.9       | 493       | DIFF.               | 180        | 11        |               |           |
|   | 24                     | 10,130     | 4.9       | 498       | 8                   | 9,914      | 483       |               |           |
|   |                        |            |           |           | DIFF.               | 216        | 15        |               |           |
| 452075 b. H. H. VALDRS MAJESTY.....   |                        |            |           |           |                     |            |           |               |           |
| 03-04-49 373823 867551 1063 AI DAUGHTERS  | 1465                   | 8,615      | 4.9       | 425       |                     |            |           |               |           |
| AI STUD, 23-08 LISTED, 08-63 1034 WITH HERD-MATES   | 1417                   | 8,631      | 4.9       | 426       |                     |            |           |               |           |
| STATES- 11,13,21,22,23,35,48, 50,51,55,65,72,73   |                        |            |           |           | 13                  | 8,816      | 424       | 8,287         | 409       |
|   | 21                     | 9,190      | 5.0       | 459       | DIFF.               | 185-       | 2         |               |           |
|   | 17                     | 8,911      | 5.0       | 444       | 10                  | 9,131      | 442       |               |           |
|   |                        |            |           |           | DIFF.               | 220-       | 2         |               |           |
| 453210 BLAKEFORD COLONIAL.....  |                        |            |           |           |                     |            |           |               |           |
| 11-18-49 326235 795522 222 AI DAUGHTERS   | 341                    | 8,316      | 5.0       | 415       |                     |            |           |               |           |
| AI STUD, 51-02 LISTED, 08-63 219 WITH HERD-MATES  | 330                    | 8,333      | 5.0       | 416       |                     |            |           |               |           |
| STATES- 23,41,48,50,51,52,54, 84  |                        |            |           |           | 14                  | 8,499      | 416       | 8,281         | 406       |
|   | 23                     | 8,260      | 5.1       | 420       | DIFF.               | 166-       |           |               |           |
|   | 13                     | 7,784      | 5.0       | 391       | 11                  | 8,448      | 405       |               |           |
|   |                        |            |           |           | DIFF.               | 664-       | 14-       |               |           |
| 453310 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 56,58   | 5                      | 7,925      | 4.4       | 352       |                     |            |           |               |           |
|   | 4                      | 8,676      | 4.4       | 381       | 21                  | 7,969      | 351       |               |           |
|   |                        |            |           |           | DIFF.               | 707        | 30        |               |           |
| 453762 HDMINY HILL RDSE KING.....   |                        |            |           |           |                     |            |           |               |           |
| 11-16-49 250949 617243 21 NDN-AI DAUGHTERS  | 55                     | 8,603      | 4.8       | 409       |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 08-63 18 WITH HERD-MATES   | 50                     | 8,907      | 4.8       | 427       |                     |            |           |               |           |
| STATES- 22,23,31,33,43,51,56, 64,71,72,74,91  |                        |            |           |           | 27                  | 9,351      | 453       |               |           |
|   |                        |            |           |           | DIFF.               | 444-       | 26-       |               |           |
| 454224 CURTISS CANDY FABRDN.....  |                        |            |           |           |                     |            |           |               |           |
| 09-01-49 346065 859759 769 AI DAUGHTERS   | 1642                   | 8,102      | 4.8       | 387       |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 08-63 716 WITH HERD-MATES  | 1550                   | 8,157      | 4.8       | 389       |                     |            |           |               |           |
| STATES- 11,13,14,16,21,22,23, 31,32,33,34,35,41,42,43,47,48, 50,51,52,54,55,56,58,61,63,64, 65,72,73,82,84,85,86,87,91,92, 93 |                        |            |           |           | 11                  | 8,527      | 406       | 8,077         | 388       |
|   |                        |            |           |           | DIFF.               | 370-       | 17-       |               |           |
| 454318 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 33,35,72  | 5                      | 8,481      | 4.3       | 361       |                     |            |           |               |           |
|   | 5                      | 8,481      | 4.3       | 361       | 15                  | 8,471      | 398       |               |           |
|   |                        |            |           |           | DIFF.               | 10         | 37-       |               |           |
| 454708 WOODACRES PRINCE MARTIN.....   |                        |            |           |           |                     |            |           |               |           |
| 08-09-49 380150 639814 4 AI DAUGHTERS   | 4                      | 6,240      | 5.0       | 315       |                     |            |           |               |           |
| AI STUD, 63-02 LISTED, 08-63 4 WITH HERD-MATES  | 4                      | 6,240      | 5.0       | 315       |                     |            |           |               |           |
| STATES- 61,63,65,71   |                        |            |           |           | 11                  | 7,305      | 357       | 8,136         | 393       |
|   | 24                     | 8,427      | 5.0       | 420       | DIFF.               | 1065-      | 42-       |               |           |
|   | 22                     | 8,276      | 5.0       | 410       | 19                  | 8,678      | 419       |               |           |
|   |                        |            |           |           | DIFF.               | 402-       | 9-        |               |           |
| 459489 CURTISS CANDY BUTTERFINGER.....  |                        |            |           |           |                     |            |           |               |           |
| 02-08-50 409032 618836 1098 AI DAUGHTERS  | 2743                   | 8,823      | 4.8       | 426       |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 08-63 1000 WITH HERD-MATES   | 2559                   | 8,881      | 4.8       | 430       |                     |            |           |               |           |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,35,41,42,43,47, 48,50,51,52,54,56,58,61,64,65, 72,73,74,82,84,86,87,88,91,92, 93 |                        |            |           |           | 11                  | 8,491      | 406       | 8,818         | 429       |
|   | 13                     | 9,889      | 4.8       | 478       | DIFF.               | 390        | 24        |               |           |
|   | 12                     | 9,945      | 4.9       | 486       | 13                  | 9,050      | 438       |               |           |
|   |                        |            |           |           | DIFF.               | 895        | 48        |               |           |
| 460516 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 23  | 5                      | 7,133      | 4.9       | 347       |                     |            |           |               |           |
|   | 5                      | 7,133      | 4.9       | 347       | 16                  | 8,123      | 388       |               |           |
|   |                        |            |           |           | DIFF.               | 990-       | 41-       |               |           |
| 460572 WALKER FARMS PIPER ADMIRAL.....  |                        |            |           |           |                     |            |           |               |           |
| 01-18-50 281537 688086 1 AI DAUGHTERS   | 1                      | 11,750     | 5.0       | 590       |                     |            |           |               |           |
| AI STUD, 48-01 LISTED, 08-63 1 WITH HERD-MATES  | 1                      | 11,750     | 5.0       | 590       |                     |            |           |               |           |
| STATES- 48,71   |                        |            |           |           | 3                   | 7,017      | 356       | 8,751         | 421       |
|   | 28                     | 6,679      | 4.7       | 311       | DIFF.               | 4733       | 234       |               |           |
|   | 25                     | 6,846      | 4.6       | 317       | 9                   | 7,375      | 337       |               |           |
|   |                        |            |           |           | DIFF.               | 529-       | 20-       |               |           |
| 461743 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 55,56   | 5                      | 7,574      | 4.9       | 370       |                     |            |           |               |           |
|   | 5                      | 7,574      | 4.9       | 370       | 18                  | 7,636      | 368       |               |           |
|   |                        |            |           |           | DIFF.               | 62-        | 2         |               |           |
| 462105 DUGLASTON ANNE-S CHALLENGER.....   |                        |            |           |           |                     |            |           |               |           |
| 12-26-49 302835 837120 34 AI DAUGHTERS  | 34                     | 8,718      | 4.9       | 424       |                     |            |           |               |           |
| AI STUD, 21-01 LISTED, 08-63 28 WITH HERD-MATES   | 28                     | 9,059      | 4.8       | 435       |                     |            |           |               |           |
| STATES- 14,21,23,58   |                        |            |           |           | 15                  | 9,178      | 437       | 8,399         | 406       |
|   | 41                     | 9,464      | 4.9       | 468       | DIFF.               | 119-       | 2-        |               |           |
|   | 15                     | 8,981      | 4.9       | 443       | 7                   | 9,412      | 451       |               |           |
|   |                        |            |           |           | DIFF.               | 431-       | 8-        |               |           |
| 463153 ELMWOOD FARMS CHIPS PRINCE.....  |                        |            |           |           |                     |            |           |               |           |
| 12-27-49 415186 1008261 30 AI DAUGHTERS   | 30                     | 9,692      | 4.6       | 446       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 08-63 29 WITH HERD-MATES   | 29                     | 9,729      | 4.6       | 445       |                     |            |           |               |           |
| STATES- 21,23,32,35,42,48,52, 55,58,63,64,82,92   |                        |            |           |           | 28                  | 8,615      | 415       | 9,222         | 427       |
|   | 44                     | 10,286     | 4.9       | 500       | DIFF.               | 1114       | 30        |               |           |
|   | 33                     | 10,114     | 4.9       | 496       | 7                   | 9,049      | 441       |               |           |
|   |                        |            |           |           | DIFF.               | 1065       | 55        |               |           |
| 464091 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 51  | 5                      | 7,467      | 4.8       | 362       |                     |            |           |               |           |
|   | 5                      | 7,467      | 4.8       | 362       | 11                  | 7,422      | 344       |               |           |
|   |                        |            |           |           | DIFF.               | 45         | 18        |               |           |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY       |   |     |                  |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|----------------|---|-----|------------------|-----|------------------------|---------------------|-------------------|
|                |   |     |                  |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|                |   |     |                  |     | NUMBER LB % LB         | NUMBER LB LB        | L8 L8             |
| 464556         | CURTIS DF HDP YARD.....   |     |                  |     |                        |                     |                   |
| 06-20-50       | 407108 890689   | 156 | AI DAUGHTERS     | 249 | 8,686                  | 4.7                 | 407               |
| AI STUD, 12-03 | LISTED, 08-63   | 148 | WITH HERD-MATES  | 236 | 8,811                  | 4.7                 | 414               |
| STATES-        | 11,12,13,14,16,21   |     |                  |     |                        |                     |                   |
|                |   | 13  | NDN-AI DAUGHTERS | 33  | 10,330                 | 4.7                 | 484               |
|                |   | 11  | WITH HERD-MATES  | 31  | 10,514                 | 4.7                 | 493               |
|                |   |     |                  |     |                        | 11 DIFF.            | 8,901 420 6-      |
|                |   |     |                  |     |                        | 8 DIFF.             | 10,104 495 2-     |
| 466437         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 51  | 5   | NDN-AI DAUGHTERS | 6   | 8,959                  | 4.6                 | 411               |
|                |   | 4   | WITH HERD-MATES  | 4   | 9,400                  | 4.5                 | 421               |
|                |   |     |                  |     |                        | 4 DIFF.             | 7,519 378 43      |
| 466809         | .....   |     |                  |     |                        |                     |                   |
| AI STUD, 41-05 |   | 2   | AI DAUGHTERS     | 4   | 9,820                  | 4.3                 | 424               |
| STATES-        | 41  | 2   | WITH HERD-MATES  | 4   | 9,820                  | 4.3                 | 424               |
|                |   | 3   | NDN-AI DAUGHTERS | 4   | 7,380                  | 4.9                 | 362               |
|                |   | 2   | WITH HERD-MATES  | 3   | 8,670                  | 4.8                 | 414               |
|                |   |     |                  |     |                        | 5 DIFF.             | 9,207 429 5-      |
|                |   |     |                  |     |                        | 6 DIFF.             | 9,202 428 14-     |
| 466960         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 50  | 5   | NDN-AI DAUGHTERS | 7   | 8,439                  | 5.2                 | 435               |
|                |   | 5   | WITH HERD-MATES  | 7   | 8,439                  | 5.2                 | 435               |
|                |   |     |                  |     |                        | 2 DIFF.             | 8,764 399 36      |
| 467489         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 32,65   | 5   | NDN-AI DAUGHTERS | 13  | 7,015                  | 4.7                 | 333               |
|                |   | 4   | WITH HERD-MATES  | 11  | 7,158                  | 4.7                 | 337               |
|                |   |     |                  |     |                        | 16 DIFF.            | 7,084 324 13      |
| 467767         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 21,22,23  | 5   | NDN-AI DAUGHTERS | 6   | 8,950                  | 4.6                 | 415               |
|                |   | 3   | WITH HERD-MATES  | 3   | 9,223                  | 4.6                 | 427               |
|                |   |     |                  |     |                        | 5 DIFF.             | 8,409 403 24      |
| 468706         | .....   |     |                  |     |                        |                     |                   |
| AI STUD, 93-10 |   | 9   | AI DAUGHTERS     | 9   | 7,771                  | 5.2                 | 405               |
| STATES-        | 93  | 7   | WITH HERD-MATES  | 7   | 7,601                  | 5.2                 | 399               |
|                |   |     |                  |     |                        | 24 DIFF.            | 9,258 443 44-     |
| 468965         | COLDSPRING-S B. V. KNIGHT.....  |     |                  |     |                        |                     |                   |
| 07-20-50       | 429235 852749   | 109 | AI DAUGHTERS     | 150 | 9,052                  | 4.9                 | 440               |
| AI STUD, 16-04 | LISTED, 08-63   | 104 | WITH HERD-MATES  | 142 | 9,006                  | 4.9                 | 437               |
| STATES-        | 12,13,14,16,21,57   |     |                  |     |                        |                     |                   |
|                |   | 19  | NDN-AI DAUGHTERS | 60  | 9,426                  | 4.9                 | 459               |
|                |   | 12  | WITH HERD-MATES  | 45  | 9,693                  | 4.8                 | 465               |
|                |   |     |                  |     |                        | 14 DIFF.            | 9,235 446 9-      |
|                |   |     |                  |     |                        | 8 DIFF.             | 10,117 471 6-     |
| 469238         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 43,48,84  | 5   | NDN-AI DAUGHTERS | 10  | 7,493                  | 4.8                 | 360               |
|                |   | 5   | WITH HERD-MATES  | 10  | 7,493                  | 4.8                 | 360               |
|                |   |     |                  |     |                        | 8 DIFF.             | 8,490 410 50-     |
| 469490         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 51  | 5   | NDN-AI DAUGHTERS | 7   | 6,687                  | 4.6                 | 307               |
|                |   | 5   | WITH HERD-MATES  | 7   | 6,687                  | 4.6                 | 307               |
|                |   |     |                  |     |                        | 23 DIFF.            | 7,112 329 22-     |
| 470363         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 52,55   | 6   | NDN-AI DAUGHTERS | 11  | 6,495                  | 4.4                 | 288               |
|                |   | 5   | WITH HERD-MATES  | 10  | 7,013                  | 4.4                 | 311               |
|                |   |     |                  |     |                        | 64 DIFF.            | 7,099 319 8-      |
| 470666         | WESTERN GLDW BUTTERFAT FAME.....  |     |                  |     |                        |                     |                   |
| 11-03-50       | 365219 873262   | 156 | AI DAUGHTERS     | 289 | 8,982                  | 4.8                 | 428               |
| AI STUD, 92-01 | LISTED, 08-63   | 134 | WITH HERD-MATES  | 248 | 9,059                  | 4.8                 | 434               |
| STATES-        | 92  |     |                  |     |                        |                     |                   |
|                |   |     |                  |     |                        | 10 DIFF.            | 9,080 433 1       |
| 470947         | CURTISS CANDY MARIE-S CURTISS.....  |     |                  |     |                        |                     |                   |
| 09-16-50       | 409032 697385   | 381 | AI DAUGHTERS     | 732 | 8,529                  | 4.8                 | 412               |
| AI STUD, 33-03 | LISTED, 08-63   | 356 | WITH HERD-MATES  | 690 | 8,589                  | 4.8                 | 416               |
| STATES-        | 11,13,14,15,16,21,22, 23,31,32,33,34,35,41,42,43,48, 50,51,52,54,58,65,71,72,84,85, 87,91,92,93       |     |                  |     |                        |                     |                   |
|                |   |     |                  |     |                        | 12 DIFF.            | 8,689 414 2       |
| 471562         | .....   |     |                  |     |                        |                     |                   |
| STATES-        | 51  | 5   | NDN-AI DAUGHTERS | 6   | 7,644                  | 4.3                 | 329               |
|                |   | 1   | WITH HERD-MATES  | 1   | 3,450                  | 3.7                 | 128               |
|                |   |     |                  |     |                        | 7 DIFF.             | 5,064 241 113-    |
| 471823         | MAURANA MASTER-S KEYMAN.....  |     |                  |     |                        |                     |                   |
| 11-30-50       | 385582 810900   | 26  | AI DAUGHTERS     | 35  | 8,184                  | 5.0                 | 407               |
| AI STUD, 41-01 | LISTED, 08-63   | 22  | WITH HERD-MATES  | 29  | 8,237                  | 5.1                 | 418               |
| STATES-        | 32,41,42,45,46,72   |     |                  |     |                        |                     |                   |
|                |   | 59  | NDN-AI DAUGHTERS | 170 | 8,607                  | 5.1                 | 436               |
|                |   | 54  | WITH HERD-MATES  | 162 | 8,635                  | 5.0                 | 435               |
|                |   |     |                  |     |                        | 12 DIFF.            | 8,351 408 10      |
|                |   |     |                  |     |                        | 8 DIFF.             | 8,987 435 352-    |
| 472164         | TARBELL ROMULUS MAY PRINCE.....   |     |                  |     |                        |                     |                   |
| 08-09-50       | 312391 613193   | 451 | AI DAUGHTERS     | 586 | 8,210                  | 5.0                 | 414               |
| AI STUD, 35-75 | LISTED, 08-63   | 429 | WITH HERD-MATES  | 561 | 8,259                  | 5.0                 | 417               |
| STATES-        | 16,21,22,23,31,32,33, 34,35,41,42,43,47,48,51,52,55, 56,57,58,63,64,65,71,72,74,82, 84,86,87,91,92,93 |     |                  |     |                        |                     |                   |
|                |   | 22  | NDN-AI DAUGHTERS | 52  | 9,673                  | 4.9                 | 473               |
|                |   | 22  | WITH HERD-MATES  | 52  | 9,673                  | 4.9                 | 473               |
|                |   |     |                  |     |                        | 14 DIFF.            | 8,801 422 5-      |
|                |   |     |                  |     |                        | 7 DIFF.             | 9,478 463 10      |
| 472450         | COLDSPRING-S B. R. DESIGNER.....  |     |                  |     |                        |                     |                   |
| 10-10-50       | 346696 719707   | 377 | AI DAUGHTERS     | 857 | 8,033                  | 4.7                 | 376               |
| AI STUD, 23-07 |   | 327 | WITH HERD-MATES  | 771 | 7,990                  | 4.7                 | 376               |
| STATES-        | 11,16,21,22,23,31,33, 35,41,42,47,48,51,52,55,56,58, 64,65,81,91,92                                   |     |                  |     |                        |                     |                   |
|                |   | 1   | NDN-AI DAUGHTERS | 3   | 7,843                  | 5.2                 | 404               |
|                |   | 1   | WITH HERD-MATES  | 3   | 7,843                  | 5.2                 | 404               |
|                |   |     |                  |     |                        | 13 DIFF.            | 8,435 407 31-     |
|                |   |     |                  |     |                        | 9 DIFF.             | 7,067 334 70      |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY  |                                   |     |        | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|-----------------------------------|-----|--------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 475147  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 35  | 5 NON-AI DAUGHTERS                | 5   | 8,166  | 4.9         | 400                   |        |             |                 |                    |            |                   |            |
|   | 4 WITH HERD-MATES                 | 4   | 7,965  | 4.8         | 385                   |        |             | 7 DIFF.         | 8,508 543-         | 407 22-    |                   |            |
| 475595  | YELLDW CREEK JEWEL SUPREME.....   |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 10-31-50  | 418022 913505 635 AI DAUGHTERS    | 933 | 9,996  | 4.9         | 486                   |        |             |                 |                    |            |                   |            |
| AI STUD, 34-01 LISTED, 08-63  | 610 WITH HERD-MATES               | 884 | 10,014 | 4.9         | 488                   |        |             | 11 DIFF.        | 9,122 892          | 443 45     | 9,372             | 453        |
| STATES- 13,14,15,16,21,22,23, 31,32,33,34,35,41,43,48,51,55, 56,58,61,65,74,84,93 | 47 NON-AI DAUGHTERS               | 140 | 11,522 | 5.2         | 595                   |        |             |                 |                    |            |                   |            |
|   | 44 WITH HERD-MATES                | 132 | 11,540 | 5.2         | 597                   |        |             | 10 DIFF.        | 9,876 1664         | 501 96     |                   |            |
| 477006  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 65  | 5 NON-AI DAUGHTERS                | 8   | 8,423  | 5.0         | 418                   |        |             |                 |                    |            |                   |            |
|   | 5 WITH HERD-MATES                 | 8   | 8,423  | 5.0         | 418                   |        |             | 5 DIFF.         | 8,788 365-         | 431 13-    |                   |            |
| 477090  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 52  | 12 NON-AI DAUGHTERS               | 31  | 6,800  | 4.8         | 324                   |        |             |                 |                    |            |                   |            |
|   | 12 WITH HERD-MATES                | 31  | 6,800  | 4.8         | 324                   |        |             | 6 DIFF.         | 7,139 339-         | 343 19-    |                   |            |
| 477232  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 34  | 5 NON-AI DAUGHTERS                | 9   | 10,325 | 4.4         | 458                   |        |             |                 |                    |            |                   |            |
|   | 5 WITH HERD-MATES                 | 9   | 10,325 | 4.4         | 458                   |        |             | 9 DIFF.         | 9,479 846          | 459 1-     |                   |            |
| 477246  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 31  | 5 NON-AI DAUGHTERS                | 18  | 8,303  | 4.6         | 380                   |        |             |                 |                    |            |                   |            |
|   | 5 WITH HERD-MATES                 | 18  | 8,303  | 4.6         | 380                   |        |             | 9 DIFF.         | 8,692 389-         | 411 31-    |                   |            |
| 477761  | MCDONALD FARMS LE PATRIOT.....    |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 10-09-50  | 423199 949428 68 AI DAUGHTERS     | 83  | 7,936  | 5.1         | 403                   |        |             |                 |                    |            |                   |            |
| AI STUD, 41-01 LISTED, 08-63  | 64 WITH HERD-MATES                | 77  | 8,024  | 5.1         | 407                   |        |             | 9 DIFF.         | 8,389 365-         | 405 2      | 8,120             | 407        |
| STATES- 32,34,41,42,45,74   | 36 NON-AI DAUGHTERS               | 75  | 8,872  | 5.1         | 451                   |        |             |                 |                    |            |                   |            |
|   | 28 WITH HERD-MATES                | 60  | 9,011  | 5.1         | 462                   |        |             | 6 DIFF.         | 9,516 505-         | 458 4      |                   |            |
| 478506  | YELLDW CREEK LADY-S GENERAL.....  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 01-20-51  | 418022 461860 123 AI DAUGHTERS    | 242 | 8,560  | 4.8         | 407                   |        |             |                 |                    |            |                   |            |
| AI STUD, 12-03 LISTED, 08-63  | 98 WITH HERD-MATES                | 200 | 8,706  | 4.8         | 415                   |        |             | 14 DIFF.        | 8,704 2            | 409 6      | 8,456             | 410        |
| STATES- 11,12,13,14,15,16,34, 55  |                                   |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 479055  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 14,16,23  | 6 NON-AI DAUGHTERS                | 9   | 9,975  | 5.0         | 495                   |        |             |                 |                    |            |                   |            |
|   | 6 WITH HERD-MATES                 | 9   | 9,975  | 5.0         | 495                   |        |             | 11 DIFF.        | 8,866 1109         | 424 71     |                   |            |
| 479433  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 35  | 5 NON-AI DAUGHTERS                | 14  | 6,601  | 4.8         | 316                   |        |             |                 |                    |            |                   |            |
|   | 5 WITH HERD-MATES                 | 13  | 6,620  | 4.8         | 316                   |        |             | 10 DIFF.        | 6,963 343-         | 338 22-    |                   |            |
| 479558  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 63  | 5 NON-AI DAUGHTERS                | 6   | 7,910  | 5.0         | 399                   |        |             |                 |                    |            |                   |            |
|   | 2 WITH HERD-MATES                 | 2   | 8,300  | 5.1         | 420                   |        |             | 17 DIFF.        | 9,295 995-         | 459 39-    |                   |            |
| 479865  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 31  | 5 NON-AI DAUGHTERS                | 5   | 7,884  | 5.1         | 406                   |        |             |                 |                    |            |                   |            |
|   | 5 WITH HERD-MATES                 | 5   | 7,884  | 5.1         | 406                   |        |             | 9 DIFF.         | 7,297 587          | 364 42     |                   |            |
| 480291  | .....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 14  | 5 NON-AI DAUGHTERS                | 5   | 7,936  | 4.7         | 375                   |        |             |                 |                    |            |                   |            |
|   | 4 WITH HERD-MATES                 | 4   | 7,818  | 4.5         | 354                   |        |             | 5 DIFF.         | 7,434 384          | 349 5      |                   |            |
| 480375  | HOMINY HILL CAVALIER.....         |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 07-10-51  | 431647 959401 29 AI DAUGHTERS     | 43  | 8,253  | 5.1         | 421                   |        |             |                 |                    |            |                   |            |
| AI STUD, 22-03 LISTED, 08-63  | 29 WITH HERD-MATES                | 43  | 8,253  | 5.1         | 421                   |        |             | 24 DIFF.        | 8,990 737-         | 447 26-    | 7,953             | 390        |
| STATES- 21,22,23  | 25 NON-AI DAUGHTERS               | 68  | 9,674  | 5.0         | 483                   |        |             |                 |                    |            |                   |            |
|   | 21 WITH HERD-MATES                | 63  | 9,915  | 5.0         | 493                   |        |             | 9 DIFF.         | 9,408 507          | 454 39     |                   |            |
| 481593  | YELLOW CREEK R. BEACON.....       |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 05-06-51  | 396068 988438 25 AI DAUGHTERS     | 27  | 8,597  | 5.0         | 434                   |        |             |                 |                    |            |                   |            |
| AI STUD, 34-01 LISTED, 08-63  | 24 WITH HERD-MATES                | 25  | 8,438  | 5.1         | 432                   |        |             | 9 DIFF.         | 8,919 481-         | 432        | 8,145             | 407        |
| STATES- 14,23,31,32,34,35,41, 63  | 44 NON-AI DAUGHTERS               | 112 | 9,775  | 5.4         | 527                   |        |             |                 |                    |            |                   |            |
|   | 42 WITH HERD-MATES                | 108 | 9,862  | 5.4         | 531                   |        |             | 10 DIFF.        | 10,419 557-        | 532 1-     |                   |            |
| 481737  | DOUGLSTON ANITA-S CHALLENGER..... |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 05-23-51  | 302835 907842 37 AI DAUGHTERS     | 54  | 7,751  | 4.8         | 374                   |        |             |                 |                    |            |                   |            |
| AI STUD, 41-01 LISTED, 08-63  | 31 WITH HERD-MATES                | 46  | 7,704  | 4.9         | 376                   |        |             | 10 DIFF.        | 8,419 715-         | 408 32-    | 7,914             | 382        |
| STATES- 21,23,41,42,45,58   | 25 NON-AI DAUGHTERS               | 58  | 8,874  | 4.7         | 416                   |        |             |                 |                    |            |                   |            |
|   | 14 WITH HERD-MATES                | 43  | 9,266  | 4.7         | 431                   |        |             | 11 DIFF.        | 9,097 169          | 427 4      |                   |            |
| 482383  | LLAN FAIR COUNT-S DAFFY.....      |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 04-14-51  | 355844 968529 76 AI DAUGHTERS     | 141 | 8,866  | 4.9         | 436                   |        |             |                 |                    |            |                   |            |
| AI STUD, 33-01 LISTED, 08-63  | 70 WITH HERD-MATES                | 135 | 8,886  | 4.9         | 437                   |        |             | 9 DIFF.         | 8,909 23-          | 429 8      | 8,451             | 414        |
| STATES- 31,32,33,35   |                                   |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 483126  | LANGWATER DEFRESHDRN.....         |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 10-10-51  | 424926 576478 45 AI DAUGHTERS     | 45  | 8,892  | 4.5         | 397                   |        |             |                 |                    |            |                   |            |
| AI STUD, 51-02 LISTED, 08-63  | 45 WITH HERD-MATES                | 45  | 8,892  | 4.5         | 397                   |        |             | 15 DIFF.        | 8,692 200          | 432 35-    | 8,606             | 380        |
| STATES- 12,14,16,23,51,52,54, 55  | 28 NON-AI DAUGHTERS               | 91  | 11,408 | 4.7         | 532                   |        |             |                 |                    |            |                   |            |
|   | 27 WITH HERD-MATES                | 87  | 11,486 | 4.7         | 537                   |        |             | 9 DIFF.         | 10,312 1174        | 511 26     |                   |            |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 483285 WILGORLAN FARMS KING-S STAR.....           |                        |            |           |           |                     |            |           |               |           |
| 10-06-51 329184 685542 6 AI DAUGHTERS             | 6                      | 8,605      | 4.7       | 405       |                     |            |           |               |           |
| AI STUD, 35-02 LISTED, 08-63 6 WITH HERD-MATES    | 6                      | 8,605      | 4.7       | 405       | 8                   | 8,618      | 414       | 8,432         | 402       |
| STATES- 16,23,31,32,33,35,42                      |                        |            |           |           | DIFF. 13-           |            | 9-        |               |           |
| 25 NDN-AI DAUGHTERS                               | 43                     | 9,071      | 5.0       | 457       | 9                   | 9,124      | 441       |               |           |
| 20 WITH HERD-MATES                                | 35                     | 9,173      | 5.0       | 462       | DIFF. 49            |            | 21        |               |           |
| 483854 QUINCY CAVALIER.....                       |                        |            |           |           |                     |            |           |               |           |
| 09-25-51 448935 760074 10 AI DAUGHTERS            | 12                     | 8,282      | 4.8       | 400       |                     |            |           |               |           |
| AI STUD, 63-01 LISTED, 08-63 10 WITH HERD-MATES   | 11                     | 8,144      | 4.9       | 397       | 13                  | 8,202      | 395       | 8,394         | 405       |
| STATES- 23,54,63                                  |                        |            |           |           | DIFF. 58-           |            | 2         |               |           |
| 19 NDN-AI DAUGHTERS                               | 36                     | 7,668      | 5.0       | 383       | 8                   | 8,324      | 410       |               |           |
| 15 WITH HERD-MATES                                | 32                     | 7,833      | 5.0       | 389       | DIFF. 491-          |            | 21-       |               |           |
| 484094 DIMPLE CURTISS DF IDCHR ACRES.....         |                        |            |           |           |                     |            |           |               |           |
| 08-13-51 433384 874885 24 AI DAUGHTERS            | 32                     | 8,032      | 5.0       | 405       |                     |            |           |               |           |
| AI STUD, 41-01 LISTED, 08-63 23 WITH HERD-MATES   | 31                     | 8,160      | 5.0       | 412       | 10                  | 8,252      | 413       | 8,358         | 405       |
| STATES- 41,42,45                                  |                        |            |           |           | DIFF. 92-           |            | 1-        |               |           |
| 18 NDN-AI DAUGHTERS                               | 68                     | 9,349      | 4.9       | 460       | 7                   | 9,339      | 444       |               |           |
| 17 WITH HERD-MATES                                | 66                     | 9,429      | 4.9       | 463       | DIFF. 90            |            | 19        |               |           |
| 484442 .....                                      |                        |            |           |           |                     |            |           |               |           |
| STATES- 45  | 6                      | 9,193      | 4.4       | 406       | 10                  | 9,694      | 463       |               |           |
| 6 WITH HERD-MATES                                 | 8                      | 9,193      | 4.4       | 406       | DIFF. 501-          |            | 57-       |               |           |
| 484916 FLYING HORSE FLUTE-S TRUMPETER.....        |                        |            |           |           |                     |            |           |               |           |
| 07-20-51 423086 1002794 153 AI DAUGHTERS          | 180                    | 8,689      | 4.7       | 405       |                     |            |           |               |           |
| AI STUD, 31-02 LISTED, 08-63 142 WITH HERD-MATES  | 169                    | 8,735      | 4.7       | 408       | 22                  | 8,621      | 402       | 8,552         | 411       |
| STATES- 13,14,23,31,32,43,55, 34 NON-AI DAUGHTERS | 86                     | 10,441     | 4.8       | 504       | DIFF. 114           |            | 6         |               |           |
| 56,58,64,84 33 WITH HERD-MATES                    | 83                     | 10,478     | 4.8       | 505       | 8                   | 9,770      | 471       |               |           |
|   |                        |            |           |           | DIFF. 708           |            | 34        |               |           |
| 485438 .....                                      |                        |            |           |           |                     |            |           |               |           |
| STATES- 58  | 5                      | 8,953      | 4.4       | 398       | 60                  | 8,681      | 404       |               |           |
| 5 WITH HERD-MATES                                 | 6                      | 8,953      | 4.4       | 398       | DIFF. 272           |            | 6-        |               |           |
| 485536 WESTERN GLOW C. F. DUKE.....               |                        |            |           |           |                     |            |           |               |           |
| 10-03-51 458786 1160645 1 AI DAUGHTERS            | 1                      | 7,930      | 5.2       | 413       |                     |            |           |               |           |
| AI STUD, 31-01 LISTED, 08-63 16 NON-AI DAUGHTERS  | 30                     | 9,083      | 4.8       | 434       |                     |            |           |               |           |
| STATES- 31,87,91,92,93 16 WITH HERD-MATES         | 30                     | 9,083      | 4.8       | 434       | 18                  | 9,668      | 472       |               |           |
|   |                        |            |           |           | DIFF. 585-          |            | 38-       |               |           |
| 485845 .....                                      |                        |            |           |           |                     |            |           |               |           |
| STATES- 85,86                                     | 5                      | 8,475      | 4.4       | 373       | 11                  | 7,996      | 377       |               |           |
| 5 WITH HERD-MATES                                 | 7                      | 8,475      | 4.4       | 373       | DIFF. 479           |            | 4-        |               |           |
| 486384 EMORY-S ST. PATRICK.....                   |                        |            |           |           |                     |            |           |               |           |
| 12-05-50 412729 1104633 10 AI DAUGHTERS           | 10                     | 8,667      | 4.3       | 376       |                     |            |           |               |           |
| AI STUD, 31-01 LISTED, 08-63 9 WITH HERD-MATES    | 9                      | 8,094      | 4.3       | 345       | 9                   | 9,099      | 427       | 8,036         | 371       |
| STATES- 31,52,55,56,58,63                         |                        |            |           |           | DIFF. 1005-         |            | 82-       |               |           |
| 76 NDN-AI DAUGHTERS                               | 156                    | 10,401     | 4.8       | 496       | 20                  | 10,067     | 498       |               |           |
| 68 WITH HERD-MATES                                | 142                    | 10,533     | 4.8       | 503       | DIFF. 466           |            | 5         |               |           |
| 487028 MCCONALO EARMS LE ROYALIST.....            |                        |            |           |           |                     |            |           |               |           |
| 02-09-51 423199 963661 142 AI DAUGHTERS           | 148                    | 8,820      | 5.0       | 442       |                     |            |           |               |           |
| AI STUD, 31-01 LISTED, 08-63 138 WITH HERD-MATES  | 143                    | 8,819      | 5.0       | 442       | 9                   | 8,871      | 425       | 8,423         | 422       |
| STATES- 13,21,22,23,33,34,35, 17 NON-AI DAUGHTERS | 31                     | 9,126      | 4.9       | 451       | DIFF. 52-           |            | 17        |               |           |
| 42 11 WITH HERD-MATES                             | 23                     | 9,256      | 5.0       | 467       | 18                  | 9,145      | 437       |               |           |
|   |                        |            |           |           | DIFF. 111           |            | 30        |               |           |
| 487591 EAGLE VALLEY N. LOMEN.....                 |                        |            |           |           |                     |            |           |               |           |
| 08-14-51 431695 1253334 311 AI DAUGHTERS          | 414                    | 8,480      | 5.2       | 438       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 08-63 294 WITH HERD-MATES  | 389                    | 8,525      | 5.2       | 441       | 27                  | 8,613      | 411       | 8,363         | 435       |
| STATES- 13,14,16,21,22,23,31, 22 NDN-AI DAUGHTERS | 68                     | 9,159      | 5.2       | 479       | DIFF. 88-           |            | 30        |               |           |
| 32,34,35,42,43,48,51,52,55,56, 20 WITH HERD-MATES | 61                     | 9,158      | 5.2       | 478       | 8                   | 9,171      | 458       |               |           |
| 57,58,61,63,64,65,71,72,73,74, 84,92              |                        |            |           |           | DIFF. 13-           |            | 20        |               |           |
| 488120 .....                                      |                        |            |           |           |                     |            |           |               |           |
| STATES- 74  | 6                      | 7,267      | 4.3       | 315       | 26                  | 8,231      | 372       |               |           |
| 6 WITH HERD-MATES                                 | 7                      | 7,267      | 4.3       | 315       | DIFF. 964-          |            | 57-       |               |           |
| 489007 HOMINY HILL MUSICIAN.....                  |                        |            |           |           |                     |            |           |               |           |
| 02-07-52 422711 670669 10 NDN-AI DAUGHTERS        | 14                     | 8,595      | 5.0       | 427       |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 08-63 8 WITH HERD-MATES    | 12                     | 9,159      | 5.0       | 458       | 18                  | 9,180      | 441       |               |           |
| STATES- 23,43,63,72,73                            |                        |            |           |           | DIFF. 21-           |            | 17        |               |           |
| 489652 .....                                      |                        |            |           |           |                     |            |           |               |           |
| STATES- 55,56                                     | 5                      | 6,451      | 5.0       | 323       | 24                  | 8,116      | 392       |               |           |
| 5 WITH HERD-MATES                                 | 10                     | 6,451      | 5.0       | 323       | DIFF. 1665-         |            | 69-       |               |           |
| 489690 MEADOW LANE NOBLEMAN.....                  |                        |            |           |           |                     |            |           |               |           |
| 09-16-51 409032 742062 1 AI DAUGHTERS             | 1                      | 5,220      | 3.9       | 202       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 08-63 31 NDN-AI DAUGHTERS  | 89                     | 10,587     | 4.9       | 520       |                     |            |           |               |           |
| STATES- 34,35,55,92 31 WITH HERD-MATES            | 86                     | 10,552     | 4.9       | 518       | 8                   | 9,834      | 490       |               |           |
|   |                        |            |           |           | DIFF. 718           |            | 28        |               |           |
| 491025 MORELLA ARCHERS THOR.....                  |                        |            |           |           |                     |            |           |               |           |
| 12-03-51 407644 1022110 33 AI DAUGHTERS           | 52                     | 8,532      | 5.0       | 424       |                     |            |           |               |           |
| AI STUD, 93-01 LISTED, 08-63 30 WITH HERD-MATES   | 48                     | 8,599      | 5.0       | 430       | 18                  | 8,821      | 427       | 8,300         | 409       |
| STATES- 93  |                        |            |           |           | DIFF. 222-          |            | 3         |               |           |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY   |                                   |     |                  |     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | AOJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|-----------------------------------|-----|------------------|-----|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 491101   | DAK HOLLOW STARLIGHT SUPREME..... |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 03-06-52   | 473225 1302130                    | 2   | AI DAUGHTERS     | 2   | 6,775       | 4.3                   | 288    |             |                 |                    |            |                   |            |
| AI STUD, 42-02   | LISTED, 08-63                     | 1   | WITH HERO-MATES  | 1   | 6,600       | 5.0                   | 333    |             | 12              | 6,359              | 303        | 8,432             | 406        |
| STATES- 33,42,47   |                                   |     |                  |     |             |                       |        |             | OIFF.           | 241                | 30         |                   |            |
|  |                                   | 36  | NON-AI DAUGHTERS | 78  | 9,564       | 5.0                   | 475    |             | 8               | 9,606              | 460        |                   |            |
|  |                                   | 32  | WITH HERO-MATES  | 71  | 9,653       | 5.0                   | 483    |             | DIFF.           | 47                 | 23         |                   |            |
| 491487   | HOMINY HILL ACHIEVEMENT.....      |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 04-13-52   | 431647 463062                     | 4   | AI DAUGHTERS     | 4   | 9,525       | 4.9                   | 471    |             |                 |                    |            |                   |            |
| AI STUD, 22-03   | LISTED, 08-63                     | 4   | WITH HERO-MATES  | 4   | 9,525       | 4.9                   | 471    |             | 27              | 9,764              | 469        | 8,403             | 407        |
| STATES- 21,22,23   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 239-               | 2          |                   |            |
|  |                                   | 40  | NON-AI DAUGHTERS | 64  | 9,588       | 4.6                   | 443    |             | 15              | 9,319              | 449        |                   |            |
|  |                                   | 28  | WITH HERO-MATES  | 49  | 9,596       | 4.6                   | 443    |             | DIFF.           | 277                | 6-         |                   |            |
| 492544   | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 6   | NON-AI DAUGHTERS | 6   | 7,772       | 4.6                   | 354    |             |                 |                    |            |                   |            |
| STATES- 21   |                                   | 6   | WITH HERO-MATES  | 6   | 7,772       | 4.6                   | 354    |             | 14              | 7,233              | 344        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 539                | 10         |                   |            |
| 493146   | WHEELER ACRES PHAROAH.....        |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 04-30-52   | 298216 862484                     | 113 | AI DAUGHTERS     | 201 | 8,960       | 4.7                   | 420    |             |                 |                    |            |                   |            |
| AI STUD, 16-04   | LISTED, 08-63                     | 109 | WITH HERO-MATES  | 195 | 9,036       | 4.7                   | 424    |             | 12              | 9,255              | 445        | 8,307             | 390        |
| STATES- 12,13,14,16,21,22  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 219-               | 21-        |                   |            |
| 493175   | MCDONALD FARMS FDRS SONNY.....    |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 03-28-52   | 336450 636220                     | 4   | AI DAUGHTERS     | 4   | 8,365       | 4.9                   | 412    |             |                 |                    |            |                   |            |
| AI STUD, 61-01   | LISTED, 08-63                     | 4   | WITH HERO-MATES  | 4   | 8,365       | 4.9                   | 412    |             | 11              | 8,654              | 414        | 8,363             | 405        |
| STATES- 61,63  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 289-               | 2-         |                   |            |
|  |                                   | 17  | NON-AI DAUGHTERS | 35  | 9,246       | 4.8                   | 441    |             | 15              | 8,618              | 408        |                   |            |
|  |                                   | 17  | WITH HERO-MATES  | 35  | 9,246       | 4.8                   | 441    |             | DIFF.           | 628                | 33         |                   |            |
| 493227   | LANGWATER C. TRDJAN.....          |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 01-07-52   | 396896 802831                     | 10  | AI DAUGHTERS     | 10  | 9,195       | 4.3                   | 395    |             |                 |                    |            |                   |            |
| AI STUD, 93-05   | LISTED, 08-63                     | 9   | WITH HERO-MATES  | 9   | 9,356       | 4.3                   | 405    |             | 11              | 9,197              | 442        | 8,529             | 391        |
| STATES- 86,91,93   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 159                | 37-        |                   |            |
|  |                                   | 9   | NON-AI DAUGHTERS | 9   | 11,017      | 4.3                   | 479    |             | 1               | 10,825             | 549        |                   |            |
|  |                                   | 1   | WITH HERO-MATES  | 1   | 10,710      | 4.1                   | 437    |             | OIFF.           | 115-               | 112-       |                   |            |
| 493443   | GRAYSMARSH F. CLIPPER.....        |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 05-08-52   | 458786 893958                     | 77  | AI DAUGHTERS     | 97  | 8,575       | 5.0                   | 428    |             |                 |                    |            |                   |            |
| AI STUD, 92-01   | LISTED, 08-63                     | 67  | WITH HERO-MATES  | 84  | 8,511       | 5.0                   | 429    |             | 12              | 9,384              | 450        | 7,776             | 391        |
| STATES- 92   |                                   |     |                  |     |             |                       |        |             | OIFF.           | 873-               | 21-        |                   |            |
|  |                                   | 2   | NON-AI DAUGHTERS | 3   | 9,308       | 5.2                   | 480    |             | 5               | 8,622              | 407        |                   |            |
|  |                                   | 2   | WITH HERO-MATES  | 3   | 9,308       | 5.2                   | 480    |             | OIFF.           | 686                | 73         |                   |            |
| 493538   | LLAN FAIR RESOLUTE KING.....      |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 11-11-51   | 410998 889196                     | 21  | AI DAUGHTERS     | 21  | 8,083       | 4.6                   | 368    |             |                 |                    |            |                   |            |
| AI STUD, 23-08   | LISTED, 08-63                     | 19  | WITH HERO-MATES  | 19  | 8,298       | 4.6                   | 378    |             | 13              | 8,805              | 426        | 8,143             | 377        |
| STATES- 23   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 507-               | 48-        |                   |            |
|  |                                   | 23  | NON-AI DAUGHTERS | 48  | 9,993       | 4.8                   | 482    |             | 8               | 9,511              | 468        |                   |            |
|  |                                   | 23  | WITH HERO-MATES  | 48  | 9,993       | 4.8                   | 482    |             | DIFF.           | 482                | 14         |                   |            |
| 493764   | MULHOCWAY BEAUTY BUTTERFAT.....   |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 06-15-51   | 453191 889728                     | 92  | AI DAUGHTERS     | 104 | 8,914       | 5.0                   | 442    |             |                 |                    |            |                   |            |
| AI STUD, 31-02   | LISTED, 08-63                     | 91  | WITH HERO-MATES  | 103 | 8,939       | 5.0                   | 444    |             | 28              | 9,148              | 438        | 8,309             | 413        |
| STATES- 12,14,15,16,21,22,23,31,32,43,51,54,55,56,57,58,74,84,87 |                                   |     |                  |     |             |                       |        |             | DIFF.           | 209-               | 6          |                   |            |
|  |                                   | 80  | NON-AI DAUGHTERS | 208 | 9,531       | 5.1                   | 487    |             | 26              | 9,643              | 470        |                   |            |
|  |                                   | 70  | WITH HERO-MATES  | 194 | 9,686       | 5.1                   | 494    |             | DIFF.           | 43                 | 24         |                   |            |
| 493862   | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 5   | NON-AI DAUGHTERS | 11  | 8,518       | 5.2                   | 443    |             |                 |                    |            |                   |            |
| STATES- 92   |                                   | 4   | WITH HERO-MATES  | 10  | 8,795       | 5.1                   | 448    |             | 5               | 8,640              | 413        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | OIFF.           | 155                | 35         |                   |            |
| 493867   | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 6   | NON-AI DAUGHTERS | 13  | 8,717       | 4.9                   | 431    |             |                 |                    |            |                   |            |
| STATES- 21   |                                   | 6   | WITH HERO-MATES  | 12  | 8,825       | 5.0                   | 438    |             | 5               | 9,186              | 448        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | OIFF.           | 361-               | 10-        |                   |            |
| 494290   | MULHOCWAY BEAUTY APDLLD.....      |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 12-21-51   | 453191 873842                     | 25  | AI DAUGHTERS     | 35  | 9,246       | 4.7                   | 436    |             |                 |                    |            |                   |            |
| AI STUD, 63-02   | LISTED, 08-63                     | 22  | WITH HERO-MATES  | 31  | 9,395       | 4.7                   | 442    |             | 27              | 8,841              | 412        | 8,811             | 425        |
| STATES- 51,52,55,56,58,63,65                                     |                                   |     |                  |     |             |                       |        |             | OIFF.           | 554                | 30         |                   |            |
|  |                                   | 23  | NON-AI DAUGHTERS | 56  | 7,986       | 4.6                   | 368    |             | 32              | 8,326              | 391        |                   |            |
|  |                                   | 17  | WITH HERO-MATES  | 48  | 8,113       | 4.6                   | 372    |             | DIFF.           | 213-               | 19-        |                   |            |
| 494519   | QUINCY CAVALIER-S GAY LARK.....   |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 04-27-52   | 448935 1079035                    | 34  | AI DAUGHTERS     | 51  | 8,847       | 5.0                   | 439    |             |                 |                    |            |                   |            |
| AI STUD, 63-01   | LISTED, 08-63                     | 33  | WITH HERO-MATES  | 50  | 8,783       | 5.0                   | 437    |             | 14              | 8,194              | 395        | 8,842             | 435        |
| STATES- 23,33,52,58,63   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 589                | 42         |                   |            |
|  |                                   | 4   | NON-AI DAUGHTERS | 12  | 8,053       | 5.1                   | 412    |             | 17              | 8,134              | 400        |                   |            |
|  |                                   | 2   | WITH HERO-MATES  | 9   | 8,471       | 5.2                   | 438    |             | OIFF.           | 337                | 38         |                   |            |
| 494777   | GOLDEN GRANGE IDEAL MORMAN.....   |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 03-06-52   | 424343 1138935                    | 3   | AI DAUGHTERS     | 3   | 8,683       | 4.5                   | 392    |             |                 |                    |            |                   |            |
| AI STUD, 42-02   | LISTED, 08-63                     | 3   | WITH HERO-MATES  | 3   | 8,683       | 4.5                   | 392    |             | 14              | 7,307              | 337        | 8,683             | 415        |
| STATES- 42,47  |                                   |     |                  |     |             |                       |        |             | OIFF.           | 1376               | 55         |                   |            |
|  |                                   | 21  | NON-AI DAUGHTERS | 43  | 8,660       | 5.0                   | 429    |             | 4               | 8,320              | 409        |                   |            |
|  |                                   | 17  | WITH HERO-MATES  | 37  | 8,249       | 5.0                   | 415    |             | DIFF.           | 71-                | 6          |                   |            |
| 495258   | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 6   | NON-AI DAUGHTERS | 8   | 7,075       | 4.7                   | 334    |             |                 |                    |            |                   |            |
| STATES- 52,56  |                                   | 4   | WITH HERO-MATES  | 5   | 6,479       | 4.5                   | 293    |             | 34              | 7,402              | 337        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 923-               | 44-        |                   |            |



## SIRE OF DHIA DAUGHTERS

| GUERNSEY       |   |     |                  |     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES FAT LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|----------------|---|-----|------------------|-----|-------------|-----------------------|--------|-------------|------------------|-------------------|------------|-------------------|------------|
| 495454         | CURTISS CANDY DUKE CURTISS.....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 09-04-52       | 459489 1044726  | 209 | AI DAUGHTERS     | 359 | 8,569       | 4.9                   | 423    |             |                  |                   |            |                   |            |
| AI STUD, 33-03 | LISTED, 08-63   | 199 | WITH HERD-MATES  | 346 | 8,560       | 4.9                   | 423    |             | 12               | 8,733             | 416        | 8,296             | 413        |
| STATES-        | 11,13,14,15,16,21,23,31,32,33,34,35,41,42,43,47,48,51,52,54,57,58,72,74,82,84,87,91,92,93 | 9   | NON-AI DAUGHTERS | 22  | 9,449       | 4.8                   | 456    |             | DIFF.            | 173-              | 7          |                   |            |
|                |   | 8   | WITH HERD-MATES  | 21  | 9,646       | 4.8                   | 463    |             | 16               | 9,624             | 475        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 22                | 12-        |                   |            |
| 495720         | .....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
|                |   | 5   | NON-AI DAUGHTERS | 11  | 8,027       | 4.9                   | 395    |             |                  |                   |            |                   |            |
| STATES-        | 35  | 4   | WITH HERD-MATES  | 10  | 8,012       | 4.9                   | 391    |             | 5                | 8,719             | 406        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 707-              | 15-        |                   |            |
| 495739         | .....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
|                |   | 9   | NON-AI DAUGHTERS | 9   | 7,108       | 4.8                   | 344    |             |                  |                   |            |                   |            |
| STATES-        | 56  | 9   | WITH HERD-MATES  | 9   | 7,108       | 4.8                   | 344    |             | 37               | 7,369             | 341        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 261-              | 3          |                   |            |
| 495827         | FAR WEST ROYAL VAGABOND.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 06-24-52       | 417805 965395   | 119 | AI DAUGHTERS     | 198 | 9,717       | 4.7                   | 453    |             |                  |                   |            |                   |            |
| AI STUD, 92-01 | LISTED, 08-63   | 107 | WITH HERD-MATES  | 177 | 9,639       | 4.6                   | 448    |             | 9                | 9,015             | 432        | 9,037             | 422        |
| STATES-        | 86,92   |     |                  |     |             |                       |        |             | DIFF.            | 624               | 16         |                   |            |
|                |   | 2   | NON-AI DAUGHTERS | 4   | 9,695       | 5.3                   | 509    |             |                  |                   |            |                   |            |
|                |   | 2   | WITH HERD-MATES  | 4   | 9,695       | 5.3                   | 509    |             | 11               | 8,643             | 444        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 1052              | 65         |                   |            |
| 495864         | MCDONALD FARMS FORE SAMPSON.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 03-13-52       | 336450 1029287  | 72  | AI DAUGHTERS     | 170 | 8,377       | 5.0                   | 420    |             |                  |                   |            |                   |            |
| AI STUD, 33-01 | LISTED, 08-63   | 62  | WITH HERD-MATES  | 155 | 8,545       | 5.0                   | 428    |             | 9                | 8,953             | 436        | 8,135             | 401        |
| STATES-        | 33,35   |     |                  |     |             |                       |        |             | DIFF.            | 408-              | 8-         |                   |            |
| 495899         | ELMWOOD SUPERIOR-S SULTAN.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 02-15-52       | 428643 969486   | 39  | AI DAUGHTERS     | 50  | 8,643       | 4.7                   | 410    |             |                  |                   |            |                   |            |
| AI STUD, 42-02 | LISTED, 08-63   | 39  | WITH HERD-MATES  | 49  | 8,627       | 4.7                   | 409    |             | 8                | 8,382             | 403        | 8,612             | 410        |
| STATES-        | 35,41,42  |     |                  |     |             |                       |        |             | DIFF.            | 245               | 6          |                   |            |
|                |   | 32  | NON-AI DAUGHTERS | 98  | 9,582       | 4.8                   | 460    |             |                  |                   |            |                   |            |
|                |   | 32  | WITH HERD-MATES  | 97  | 9,583       | 4.8                   | 460    |             | 7                | 9,386             | 450        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 197               | 10         |                   |            |
| 496515         | FAIRLAWN ACTOR-S NDVICE.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 04-25-52       | 322785 1057156  | 21  | AI DAUGHTERS     | 30  | 8,762       | 5.1                   | 444    |             |                  |                   |            |                   |            |
| AI STUD, 93-10 | LISTED, 08-63   | 21  | WITH HERD-MATES  | 30  | 8,762       | 5.1                   | 444    |             | 30               | 9,097             | 467        | 8,261             | 394        |
| STATES-        | 93  |     |                  |     |             |                       |        |             | DIFF.            | 335-              | 23-        |                   |            |
| 497409         | FAIRLAWN K. PRINCETON.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 05-22-52       | 297107 1081063  | 8   | AI DAUGHTERS     | 8   | 10,034      | 4.5                   | 448    |             |                  |                   |            |                   |            |
| AI STUD, 41-25 | LISTED, 08-63   | 8   | WITH HERD-MATES  | 8   | 10,034      | 4.5                   | 448    |             | 13               | 9,006             | 423        | 8,864             | 416        |
| STATES-        | 35,41   |     |                  |     |             |                       |        |             | DIFF.            | 1028              | 25         |                   |            |
|                |   | 41  | NON-AI DAUGHTERS | 98  | 9,159       | 4.7                   | 429    |             |                  |                   |            |                   |            |
|                |   | 35  | WITH HERD-MATES  | 90  | 9,410       | 4.7                   | 440    |             | 25               | 8,903             | 422        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 507               | 18         |                   |            |
| 497411         | FAIRLAWN ACTOR-S ACME.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 05-29-52       | 322785 1097431  | 46  | NON-AI DAUGHTERS | 112 | 10,301      | 4.6                   | 469    |             |                  |                   |            |                   |            |
| AI STUD, 23-02 | LISTED, 08-63   | 45  | WITH HERD-MATES  | 111 | 10,400      | 4.5                   | 473    |             | 15               | 9,384             | 434        |                   |            |
| STATES-        | 22,23,43,51,54,55   |     |                  |     |             |                       |        |             | DIFF.            | 1016              | 39         |                   |            |
| 497988         | .....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
|                |   | 12  | NON-AI DAUGHTERS | 12  | 6,463       | 5.3                   | 344    |             |                  |                   |            |                   |            |
| STATES-        | 23  | 12  | WITH HERD-MATES  | 12  | 6,463       | 5.3                   | 344    |             | 19               | 7,697             | 384        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 1234-             | 40-        |                   |            |
| 498562         | MAPLE LEAF ALERT.....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 10-12-51       | 458927 1206070  | 35  | AI DAUGHTERS     | 41  | 8,772       | 4.8                   | 424    |             |                  |                   |            |                   |            |
| AI STUD, 63-01 | LISTED, 08-63   | 33  | WITH HERD-MATES  | 39  | 8,505       | 4.8                   | 410    |             | 14               | 8,190             | 395        | 8,642             | 415        |
| STATES-        | 41,52,63  |     |                  |     |             |                       |        |             | DIFF.            | 315               | 15         |                   |            |
|                |   | 17  | NON-AI DAUGHTERS | 48  | 10,855      | 4.8                   | 520    |             |                  |                   |            |                   |            |
|                |   | 17  | WITH HERD-MATES  | 47  | 10,842      | 4.8                   | 521    |             | 10               | 10,341            | 488        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 501               | 33         |                   |            |
| 498629         | .....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
|                |   | 5   | NON-AI DAUGHTERS | 8   | 7,260       | 5.1                   | 367    |             |                  |                   |            |                   |            |
| STATES-        | 82,92   | 4   | WITH HERD-MATES  | 7   | 7,982       | 5.0                   | 397    |             | 4                | 9,238             | 444        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 1256-             | 47-        |                   |            |
| 498700         | VILLA CREST KING DICTATOR.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 09-02-52       | 474842 1162248  | 28  | NON-AI DAUGHTERS | 65  | 9,968       | 5.4                   | 540    |             |                  |                   |            |                   |            |
| AI STUD, 61-01 | LISTED, 08-63   | 24  | WITH HERD-MATES  | 61  | 10,112      | 5.4                   | 547    |             | 6                | 8,928             | 462        |                   |            |
| STATES-        | 37,61   |     |                  |     |             |                       |        |             | DIFF.            | 1184              | 85         |                   |            |
| 498829         | .....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
|                |   | 6   | NON-AI DAUGHTERS | 6   | 8,995       | 4.7                   | 419    |             |                  |                   |            |                   |            |
| STATES-        | 32  | 6   | WITH HERD-MATES  | 6   | 8,995       | 4.7                   | 419    |             | 3                | 7,975             | 374        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 1020              | 45         |                   |            |
| 499468         | LISETER BRILLIANT.....  |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 07-15-52       | 387105 1178535  | 3   | AI DAUGHTERS     | 3   | 9,077       | 5.1                   | 459    |             |                  |                   |            |                   |            |
| AI STUD, 51-02 | LISTED, 08-63   | 3   | WITH HERD-MATES  | 3   | 9,077       | 5.1                   | 459    |             | 9                | 9,160             | 450        | 8,428             | 408        |
| STATES-        | 23,51   |     |                  |     |             |                       |        |             | DIFF.            | 83-               | 9          |                   |            |
|                |   | 40  | NON-AI DAUGHTERS | 53  | 9,531       | 5.1                   | 483    |             |                  |                   |            |                   |            |
|                |   | 39  | WITH HERD-MATES  | 52  | 9,457       | 5.1                   | 481    |             | 16               | 9,667             | 479        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 210-              | 2          |                   |            |
| 499561         | BRADFORD-S EDITH PAT.....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 07-27-52       | 477761 1108809  | 71  | AI DAUGHTERS     | 86  | 9,178       | 5.0                   | 463    |             |                  |                   |            |                   |            |
| AI STUD, 34-01 | LISTED, 08-63   | 68  | WITH HERD-MATES  | 79  | 9,424       | 5.1                   | 477    |             | 13               | 8,979             | 437        | 8,855             | 442        |
| STATES-        | 33,34,35  |     |                  |     |             |                       |        |             | DIFF.            | 445               | 40         |                   |            |
|                |   | 19  | NON-AI DAUGHTERS | 60  | 10,619      | 5.5                   | 589    |             |                  |                   |            |                   |            |
|                |   | 19  | WITH HERD-MATES  | 60  | 10,619      | 5.5                   | 589    |             | 6                | 9,697             | 499        |                   |            |
|                |   |     |                  |     |             |                       |        |             | DIFF.            | 922               | 90         |                   |            |
| 499743         | CLA-ORE KNIGHT-S JDN.....   |     |                  |     |             |                       |        |             |                  |                   |            |                   |            |
| 08-19-52       | 413580 976142   | 140 | AI DAUGHTERS     | 239 | 9,869       | 4.5                   | 445    |             |                  |                   |            |                   |            |
| AI STUD, 92-01 | LISTED, 08-63   | 129 | WITH HERD-MATES  | 218 | 9,898       | 4.5                   | 448    |             | 10               | 9,131             | 436        | 9,192             | 419        |
| STATES-        | 82,91,92  |     |                  |     |             |                       |        |             | DIFF.            | 767               | 12         |                   |            |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY   | AV. PRODUCTION OF DAU. |         |        |        | ADJ. HERD-MATES AV. | MILK L8  | FAT L8      | PREDICTED AV. |           |
|--|------------------------|---------|--------|--------|---------------------|----------|-------------|---------------|-----------|
|  | RECORDS NUMBER         | MILK L8 | TEST % | FAT L8 |                     |          |             | MILK L8       | FAT L8    |
| 499994 .....   |                        |         |        |        |                     |          |             |               |           |
| STATES- 65   | 5 NON-AI DAUGHTERS     | 5       | 6,336  | 4.6    | 294                 |          |             |               |           |
|  | 5 WITH HERD-MATES      | 5       | 6,336  | 4.6    | 294                 | 22 DIFF. | 6,862 526-  | 311 17-       |           |
| 499997 BAYVILLE MARVELOUS GENERAL.....                     |                        |         |        |        |                     |          |             |               |           |
| 11-08-52 3379330 1005007                                   | 5 AI DAUGHTERS         | 5       | 6,522  | 4.9    | 317                 |          |             |               |           |
| AI STUO, 52-01 LISTED, 08-63                               | 4 WITH HERD-MATES      | 4       | 7,310  | 4.9    | 358                 | 20 DIFF. | 8,184 874-  | 398 40-       | 8,205 395 |
| STATES- 52   | 44 NON-AI DAUGHTERS    | 113     | 9,764  | 5.2    | 508                 |          |             |               |           |
|  | 39 WITH HERD-MATES     | 105     | 9,962  | 5.2    | 517                 | 23 DIFF. | 9,865 97    | 485 32        |           |
| 500101 GULOEN HARVEST KING- COLE.....                      |                        |         |        |        |                     |          |             |               |           |
| 01-11-52 407921 941910                                     | 16 AI DAUGHTERS        | 16      | 8,182  | 5.1    | 416                 |          |             |               |           |
| AI STUO, 23-08 LISTED, 08-63                               | 15 WITH HERD-MATES     | 15      | 8,359  | 5.1    | 427                 | 9 DIFF.  | 9,487 1128- | 464 37-       | 7,868 388 |
| STATES- 16,23,50   | 33 NON-AI DAUGHTERS    | 79      | 10,735 | 5.2    | 562                 |          |             |               |           |
|  | 31 WITH HERD-MATES     | 77      | 10,925 | 5.2    | 573                 | 15 DIFF. | 10,716 209  | 527 46        |           |
| 500458 YELLOW CREEK S. BOOSTER.....                        |                        |         |        |        |                     |          |             |               |           |
| 09-06-52 475595 1260591                                    | 19 AI DAUGHTERS        | 29      | 10,201 | 4.8    | 492                 |          |             |               |           |
| AI STUO, 84-01 LISTED, 08-62                               | 18 WITH HERD-MATES     | 28      | 10,311 | 4.8    | 495                 | 6 DIFF.  | 8,919 1392  | 425 70        | 9,295 448 |
| STATES- 23,32,33,84  | 4 NON-AI DAUGHTERS     | 9       | 9,636  | 5.1    | 496                 |          |             |               |           |
|  | 4 WITH HERD-MATES      | 8       | 9,636  | 5.1    | 496                 | 7 DIFF.  | 10,036 400- | 494 2         |           |
| 500836 CURTISS CANOY PETER PAN.....                        |                        |         |        |        |                     |          |             |               |           |
| 01-25-53 346065 778404                                     | 73 AI DAUGHTERS        | 115     | 7,766  | 4.7    | 367                 |          |             |               |           |
| AI STUO, 33-03 LISTED, 08-63                               | 70 WITH HERD-MATES     | 106     | 7,816  | 4.7    | 370                 | 13 DIFF. | 8,812 996-  | 421 51-       | 7,616 363 |
| STATES- 13,16,21,23,32,33,34,35,41,42,43,48,51,52,82,92,93 | 15 NON-AI DAUGHTERS    | 22      | 7,645  | 4.6    | 351                 |          |             |               |           |
|  | 15 WITH HERD-MATES     | 20      | 7,566  | 4.6    | 348                 | 11 DIFF. | 8,361 795-  | 392 44-       |           |
| 500959 WHITE LICK NORA-S PRINCE.....                       |                        |         |        |        |                     |          |             |               |           |
| 09-10-52 366101 1310667                                    | 11 AI DAUGHTERS        | 11      | 8,252  | 4.9    | 403                 |          |             |               |           |
| AI STUO, 42-02 LISTED, 08-63                               | 11 WITH HERD-MATES     | 11      | 8,252  | 4.9    | 403                 | 8 DIFF.  | 8,201 51    | 400 3         | 8,443 406 |
| STATES- 31,32,33,35,42,61                                  | 8 NON-AI DAUGHTERS     | 15      | 9,234  | 5.0    | 458                 |          |             |               |           |
|  | 6 WITH HERD-MATES      | 13      | 9,967  | 4.8    | 479                 | 10 DIFF. | 8,521 1446  | 422 57        |           |
| 501586 WASHOUGAL CADET MAJESTY.....                        |                        |         |        |        |                     |          |             |               |           |
| 03-02-53 379905 1280460                                    | 24 NON-AI DAUGHTERS    | 64      | 10,825 | 4.8    | 518                 |          |             |               |           |
| AI STUO, 35-75 LISTED, 08-63                               | 24 WITH HERD-MATES     | 63      | 10,824 | 4.8    | 518                 | 11 DIFF. | 10,045 779  | 476 42        |           |
| STATES- 91   |                        |         |        |        |                     |          |             |               |           |
| 501617 .....   |                        |         |        |        |                     |          |             |               |           |
| STATES- 23   | 7 NON-AI DAUGHTERS     | 8       | 7,899  | 4.9    | 389                 |          |             |               |           |
|  | 7 WITH HERD-MATES      | 8       | 7,899  | 4.9    | 389                 | 9 DIFF.  | 9,412 1513- | 445 56-       |           |
| 501766 GILDERDALE GOLOEN VALOR.....                        |                        |         |        |        |                     |          |             |               |           |
| 11-06-51 443144 998773                                     | 54 AI DAUGHTERS        | 58      | 8,757  | 5.2    | 455                 |          |             |               |           |
| AI STUO, 35-75 LISTED, 08-63                               | 53 WITH HERD-MATES     | 57      | 8,833  | 5.2    | 460                 | 23 DIFF. | 8,673 160   | 419 41        | 8,579 439 |
| STATES- 16,21,32,35,41,42,48,52,55,57,63,81,84,85,86,87,92 | 31 NON-AI DAUGHTERS    | 64      | 10,193 | 5.2    | 534                 |          |             |               |           |
|  | 30 WITH HERD-MATES     | 61      | 10,284 | 5.2    | 537                 | 9 DIFF.  | 9,531 753   | 477 60        |           |
| 502282 FAIRLAWN ACTOR-S CORINTHIAN.....                    |                        |         |        |        |                     |          |             |               |           |
| 12-30-52 322785 1278826                                    | 9 NON-AI DAUGHTERS     | 26      | 10,773 | 4.9    | 527                 |          |             |               |           |
| AI STUO, 16-04 LISTED, 08-63                               | 9 WITH HERD-MATES      | 26      | 10,773 | 4.9    | 527                 | 38 DIFF. | 9,656 1117  | 496 31        |           |
| STATES- 16,51  |                        |         |        |        |                     |          |             |               |           |
| 502979 ROES-MOR FLAME DIAMOND.....                         |                        |         |        |        |                     |          |             |               |           |
| 11-26-52 318218 1062959                                    | 62 AI DAUGHTERS        | 125     | 8,987  | 4.6    | 413                 |          |             |               |           |
| AI STUO, 31-01 LISTED, 08-63                               | 52 WITH HERD-MATES     | 108     | 8,978  | 4.6    | 416                 | 8 DIFF.  | 8,735 243   | 421 5-        | 8,651 403 |
| STATES- 32,33,65   |                        |         |        |        |                     |          |             |               |           |
| 502984 .....   |                        |         |        |        |                     |          |             |               |           |
| STATES- 35,41  | 5 NON-AI DAUGHTERS     | 6       | 8,630  | 4.9    | 426                 |          |             |               |           |
|  | 5 WITH HERD-MATES      | 6       | 8,630  | 4.9    | 426                 | 9 DIFF.  | 8,630       | 424 2         |           |
| 503028 YELLOW CREEK HANDSOME HERO.....                     |                        |         |        |        |                     |          |             |               |           |
| 01-28-53 460183 1222895                                    | 34 AI DAUGHTERS        | 35      | 7,998  | 4.9    | 391                 |          |             |               |           |
| AI STUO, 61-01 LISTED, 08-63                               | 31 WITH HERD-MATES     | 31      | 7,956  | 4.9    | 389                 | 7 DIFF.  | 8,120 164-  | 384 5         | 8,290 407 |
| STATES- 61,63  | 11 NON-AI DAUGHTERS    | 15      | 9,639  | 4.8    | 459                 |          |             |               |           |
|  | 11 WITH HERD-MATES     | 15      | 9,639  | 4.8    | 459                 | 6 DIFF.  | 9,177 462   | 449 10        |           |
| 503383 .....   |                        |         |        |        |                     |          |             |               |           |
| STATES- 55   | 5 NON-AI DAUGHTERS     | 6       | 8,897  | 4.7    | 416                 |          |             |               |           |
|  | 5 WITH HERD-MATES      | 5       | 8,740  | 4.8    | 423                 | 9 DIFF.  | 8,968 228-  | 417 6         |           |
| 503506 FAIRLAWN K. HANNIBAL.....                           |                        |         |        |        |                     |          |             |               |           |
| 01-29-53 297107 1174994                                    | 156 AI DAUGHTERS       | 277     | 8,865  | 4.7    | 417                 |          |             |               |           |
| AI STUO, 21-01 LISTED, 08-63                               | 145 WITH HERD-MATES    | 264     | 8,862  | 4.7    | 418                 | 13 DIFF. | 9,023 161-  | 428 10-       | 8,336 398 |
| STATES- 13,21,22,23,51                                     |                        |         |        |        |                     |          |             |               |           |
| 503512 FAIRLAWN K. PHAROH.....                             |                        |         |        |        |                     |          |             |               |           |
| 05-15-53 297107 999963                                     | 147 AI DAUGHTERS       | 323     | 9,337  | 4.9    | 457                 |          |             |               |           |
| AI STUO, 21-01 LISTED, 08-63                               | 127 WITH HERD-MATES    | 291     | 9,462  | 4.9    | 466                 | 15 DIFF. | 8,817 645   | 418 48        | 9,052 450 |
| STATES- 13,16,21,55  |                        |         |        |        |                     |          |             |               |           |
| 503904 WESTERN GLOW CLARA-S GENERAL.....                   |                        |         |        |        |                     |          |             |               |           |
| 06-01-53 390340 1159218                                    | 167 AI DAUGHTERS       | 245     | 9,462  | 4.7    | 447                 |          |             |               |           |
| AI STUO, 92-01 LISTED, 08-63                               | 121 WITH HERD-MATES    | 179     | 9,560  | 4.8    | 455                 | 10 DIFF. | 9,385 175   | 448 7         | 8,673 415 |
| STATES- 52,92  | 2 NON-AI DAUGHTERS     | 4       | 10,330 | 4.2    | 430                 |          |             |               |           |
|  | 2 WITH HERD-MATES      | 4       | 10,330 | 4.2    | 430                 | 3 DIFF.  | 8,881 1449  | 420 10        |           |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY                                    |   |     |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | FAV. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|---|-----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 504445                                      | SUNESLOPE-S BUZZ ELECTROLIER.....       |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-23-53                                    | 425367 1096284                          | 26  | AI DAUGHTERS     | 32          | 8,441                 | 5.2    | 435         |                 |                    |            |                   |            |
| AI STUD, 41-25                              | LISTED, 08-63                           | 25  | WITH HERD-MATES  | 31          | 8,481                 | 5.2    | 438         | 11              | 8,440              | 414        | 8,458             | 422        |
| STATES- 35,41,42                            |   |     |                  |             |                       |        |             | DIFF.           | 41                 | 24         |                   |            |
|   |   | 17  | NON-AI DAUGHTERS | 34          | 9,294                 | 5.2    | 487         |                 |                    |            |                   |            |
|   |   | 15  | WITH HERD-MATES  | 29          | 9,352                 | 5.3    | 491         | 9               | 8,833              | 428        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 519                | 63         |                   |            |
| 504474                                      | GOLDEN GRANGE IDEAL STARLIGHT.....      |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-09-52                                    | 424343 1032094                          | 27  | AI DAUGHTERS     | 28          | 8,874                 | 4.7    | 413         |                 |                    |            |                   |            |
| AI STUD, 41-25                              | LISTED, 08-63                           | 24  | WITH HERD-MATES  | 25          | 9,063                 | 4.6    | 420         | 9               | 8,711              | 423        | 8,681             | 404        |
| STATES- 35,41,42,45                         |   |     |                  |             |                       |        |             | DIFF.           | 352                | 3-         |                   |            |
|   |   | 22  | NON-AI DAUGHTERS | 49          | 10,552                | 4.7    | 498         |                 |                    |            |                   |            |
|   |   | 19  | WITH HERD-MATES  | 46          | 10,616                | 4.7    | 497         | 6               | 10,474             | 497        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 142                |            |                   |            |
| 504487                                      | .....                                   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|   |   | 6   | NON-AI DAUGHTERS | 12          | 8,782                 | 4.2    | 366         |                 |                    |            |                   |            |
| STATES- 11                                  |   | 5   | WITH HERD-MATES  | 11          | 8,515                 | 4.3    | 364         | 6               | 8,416              | 402        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 99                 | 38-        |                   |            |
| 504556                                      | EDISTO FARMS PRINCE-S SARGON.....       |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-15-53                                    | 480378 1222143                          | 8   | NON-AI DAUGHTERS | 11          | 8,390                 | 4.6    | 390         |                 |                    |            |                   |            |
| AI STUD, 52-01                              | LISTED, 08-63                           | 6   | WITH HERD-MATES  | 9           | 8,972                 | 4.9    | 436         | 30              | 8,455              | 400        |                   |            |
| STATES- 52,57,58                            |   |     |                  |             |                       |        |             | DIFF.           | 517                | 36         |                   |            |
| 504757                                      | .....                                   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|   |   | 5   | NON-AI DAUGHTERS | 8           | 10,036                | 4.7    | 470         |                 |                    |            |                   |            |
| STATES- 35,41                               |   | 5   | WITH HERD-MATES  | 8           | 10,036                | 4.7    | 470         | 12              | 8,996              | 430        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 1040               | 40         |                   |            |
| 504876                                      | .....                                   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|   |   | 7   | NON-AI DAUGHTERS | 7           | 9,649                 | 4.4    | 426         |                 |                    |            |                   |            |
| STATES- 35,42                               |   | 7   | WITH HERD-MATES  | 7           | 9,649                 | 4.4    | 426         | 5               | 8,723              | 405        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 926                | 21         |                   |            |
| 504931                                      | ADHR HORNET-S PRECISION.....            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-05-53                                    | 467419 1199690                          | 18  | NON-AI DAUGHTERS | 23          | 10,903                | 4.9    | 531         |                 |                    |            |                   |            |
| AI STUD, 35-02                              | LISTED, 08-63                           | 16  | WITH HERD-MATES  | 21          | 10,917                | 4.9    | 530         | 6               | 10,021             | 473        |                   |            |
| STATES- 93                                  |   |     |                  |             |                       |        |             | DIFF.           | 896                | 57         |                   |            |
| 504932                                      | NYALA PRINCE-S LADDIE.....              |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-06-53                                    | 389915 1153078                          | 35  | NON-AI DAUGHTERS | 80          | 9,807                 | 4.9    | 483         |                 |                    |            |                   |            |
| AI STUD, 16-04                              | LISTED, 08-63                           | 34  | WITH HERD-MATES  | 78          | 9,870                 | 4.9    | 484         | 14              | 9,665              | 470        |                   |            |
| STATES- 14,16,22,23                         |   |     |                  |             |                       |        |             | DIFF.           | 205                | 14         |                   |            |
| 504946                                      | DEERSHORN LINCOLN.....                  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-24-53                                    | 435174 1199445                          | 94  | AI DAUGHTERS     | 165         | 8,131                 | 5.1    | 414         |                 |                    |            |                   |            |
| AI STUD, 16-04                              | LISTED, 08-63                           | 85  | WITH HERD-MATES  | 143         | 8,137                 | 5.1    | 415         | 13              | 8,522              | 411        | 8,103             | 409        |
| STATES- 13,14,16                            |   |     |                  |             |                       |        |             | DIFF.           | 385-               | 4          |                   |            |
| 505384                                      | ELK MEADOW NOLA-S MONARCH.....          |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-13-53                                    | 354073 1156396                          | 3   | AI DAUGHTERS     | 3           | 4,267                 | 4.5    | 192         |                 |                    |            |                   |            |
| AI STUD, 35-75                              | LISTED, 08-63                           | 2   | WITH HERD-MATES  | 2           | 5,120                 | 4.9    | 253         | 6               | 7,705              | 388        | 8,058             | 386        |
| STATES- 32,35,41,55,64                      |   |     |                  |             |                       |        |             | DIFF.           | 2585-              | 135-       |                   |            |
|   |   | 39  | NON-AI DAUGHTERS | 85          | 10,041                | 4.6    | 461         |                 |                    |            |                   |            |
|   |   | 38  | WITH HERD-MATES  | 84          | 10,030                | 4.6    | 463         | 11              | 9,587              | 454        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 443                | 9          |                   |            |
| 505970                                      | OLD HOMESTEAD C. A. 8. A. PEKAREKA..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-24-53                                    | 298216 1075438                          | 180 | AI DAUGHTERS     | 316         | 10,674                | 4.6    | 486         |                 |                    |            |                   |            |
| AI STUD, 16-04                              | LISTED, 08-63                           | 163 | WITH HERD-MATES  | 287         | 10,721                | 4.6    | 491         | 13              | 9,224              | 447        | 9,896             | 450        |
| STATES- 12,13,14,16                         |   |     |                  |             |                       |        |             | DIFF.           | 1497               | 44         |                   |            |
| 506243                                      | CASTLE BROOK PEARLETTE KING.....        |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-12-53                                    | 467419 1069287                          | 7   | NON-AI DAUGHTERS | 12          | 8,711                 | 4.6    | 399         |                 |                    |            |                   |            |
| AI STUD, 35-75                              | LISTED, 08-63                           | 7   | WITH HERD-MATES  | 12          | 8,711                 | 4.6    | 399         | 24              | 8,892              | 418        |                   |            |
| STATES- 22,93                               |   |     |                  |             |                       |        |             | DIFF.           | 181-               | 19-        |                   |            |
| 506573                                      | .....                                   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|   |   | 7   | NON-AI DAUGHTERS | 11          | 8,966                 | 5.2    | 470         |                 |                    |            |                   |            |
| STATES- 92                                  |   | 7   | WITH HERD-MATES  | 11          | 8,966                 | 5.2    | 470         | 3               | 9,612              | 486        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 646-               | 16-        |                   |            |
| 506916                                      | LAKE LOUISE KING-S NOBLEMAN.....        |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-24-52                                    | 428861 1273425                          | 7   | AI DAUGHTERS     | 7           | 9,270                 | 4.8    | 444         |                 |                    |            |                   |            |
| AI STUD, 35-05                              | LISTED, 08-63                           | 7   | WITH HERD-MATES  | 7           | 9,270                 | 4.8    | 444         | 22              | 9,985              | 496        | 8,228             | 390        |
| STATES- 22,23,33,35,42,51,56,81,86,87,91,92 |   |     |                  |             |                       |        |             | DIFF.           | 715-               | 52-        |                   |            |
|   |   | 41  | NON-AI DAUGHTERS | 104         | 10,606                | 5.0    | 529         |                 |                    |            |                   |            |
|   |   | 40  | WITH HERD-MATES  | 102         | 10,565                | 5.0    | 526         | 25              | 10,092             | 508        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 473                | 18         |                   |            |
| 506917                                      | LAKE LOUISE ROSE VALENCIAN.....         |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-07-53                                    | 288632 950680                           | 215 | AI DAUGHTERS     | 354         | 9,227                 | 5.0    | 465         |                 |                    |            |                   |            |
| AI STUD, 91-01                              | LISTED, 08-63                           | 200 | WITH HERD-MATES  | 330         | 9,210                 | 5.1    | 466         | 11              | 9,200              | 453        | 8,512             | 422        |
| STATES- 33,74,81,82,85,86,87,91,92          |   |     |                  |             |                       |        |             | DIFF.           | 10                 | 13         |                   |            |
| 506918                                      | LAKE LOUISE ROSE HOLLISTAR.....         |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-28-53                                    | 288632 1076367                          | 15  | AI DAUGHTERS     | 15          | 8,679                 | 5.3    | 456         |                 |                    |            |                   |            |
| AI STUD, 34-01                              | LISTED, 08-63                           | 15  | WITH HERD-MATES  | 15          | 8,679                 | 5.3    | 456         | 22              | 8,763              | 437        | 8,402             | 417        |
| STATES- 23,33,35,50,56,82,91                |   |     |                  |             |                       |        |             | DIFF.           | 84-                | 19         |                   |            |
|   |   | 34  | NON-AI DAUGHTERS | 58          | 9,699                 | 5.1    | 497         |                 |                    |            |                   |            |
|   |   | 34  | WITH HERD-MATES  | 58          | 9,699                 | 5.1    | 497         | 29              | 9,324              | 454        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 375                | 43         |                   |            |
| 507051                                      | .....                                   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|   |   | 9   | NON-AI DAUGHTERS | 16          | 6,021                 | 5.4    | 326         |                 |                    |            |                   |            |
| STATES- 52                                  |   | 9   | WITH HERD-MATES  | 16          | 6,021                 | 5.4    | 326         | 8               | 7,257              | 341        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 1236-              | 15-        |                   |            |
| 507318                                      | .....                                   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|   |   | 9   | NON-AI DAUGHTERS | 10          | 7,889                 | 5.0    | 392         |                 |                    |            |                   |            |
| STATES- 21                                  |   | 9   | WITH HERD-MATES  | 10          | 7,889                 | 5.0    | 392         | 24              | 8,354              | 397        |                   |            |
|   |   |     |                  |             |                       |        |             | DIFF.           | 465-               | 5-         |                   |            |



## SIPS OF OHIA DAUGHTERS

| GUERNSEY  |         |        |      |     | AV. PRODUCTION OF |        |     |     | ADJ. HERD-MATES |        |     |       | PREDICTED |     |
|---|---------|--------|------|-----|-------------------|--------|-----|-----|-----------------|--------|-----|-------|-----------|-----|
|   | RECORDS | MILK   | TEST | FAT | NUMBER            | L8     | %   | L8  | NUMBER          | MILK   | FAT | L8    | MILK      | FAT |
| 507339 B. H. H. MAJESTY-S JOE.....              |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| 11-02-53 452075 1192763 14 NON-AI DAUGHTERS     | 39      | 9,480  | 5.3  | 502 |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 11-01 LISTED, 08-63 14 WITH HERD-MATES | 39      | 9,480  | 5.3  | 502 |                   |        |     |     | 6               | 9,562  | 461 |       |           |     |
| STATES- 13                                      |         |        |      |     |                   |        |     |     | DIFF.           | 82-    | 41  |       |           |     |
| 507470 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 35,42                                   | 5       | 9,239  | 4.6  | 425 | 14                | 9,239  | 4.6 | 425 | 6               | 9,532  | 431 |       |           |     |
|   | 5       | 9,239  | 4.6  | 425 |                   |        |     |     | DIFF.           | 293-   | 6-  |       |           |     |
| 507832 RDSEBUD FARM C. VERNDN.....              |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| 08-18-53 440498 1054604 3 AI DAUGHTERS          | 3       | 8,127  | 4.1  | 337 |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 72-01 LISTED, 08-63 3 WITH HERD-MATES  | 3       | 8,127  | 4.1  | 337 |                   |        |     |     | 9               | 7,053  | 311 | 8,617 | 408       |     |
| STATES- 48,72,73                                |         |        |      |     |                   |        |     |     | OIFF.           | 1074   | 26  |       |           |     |
|   | 13      | 8,405  | 5.1  | 431 | 14                | 8,405  | 5.1 | 431 | 5               | 8,778  | 419 |       |           |     |
|   | 13      | 8,405  | 5.1  | 431 | 14                | 8,405  | 5.1 | 431 | DIFF.           | 373-   | 12  |       |           |     |
| 507896 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 23,32,33                                | 5       | 7,065  | 4.7  | 332 | 7                 | 7,065  | 4.7 | 332 | 13              | 8,172  | 391 |       |           |     |
|   | 5       | 7,065  | 4.7  | 332 | 7                 | 7,065  | 4.7 | 332 | DIFF.           | 1107-  | 59- |       |           |     |
| 508182 KENMAX APACHE-S LDT.....                 |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| 11-17-53 399017 824927 8 AI DAUGHTERS           | 15      | 9,156  | 4.8  | 440 |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 93-05 LISTED, 08-63 7 WITH HERD-MATES  | 14      | 9,038  | 4.8  | 437 |                   |        |     |     | 10              | 9,002  | 432 | 8,463 | 408       |     |
| STATES- 33,82                                   |         |        |      |     |                   |        |     |     | DIFF.           | 36     | 5   |       |           |     |
| 508256 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 23                                      | 5       | 6,039  | 4.5  | 271 | 6                 | 6,039  | 4.5 | 271 | 14              | 7,300  | 356 |       |           |     |
|   | 3       | 6,182  | 4.6  | 285 | 4                 | 6,182  | 4.6 | 285 | DIFF.           | 1118-  | 71- |       |           |     |
| 508316 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 93                                      | 11      | 10,184 | 5.0  | 511 | 13                | 10,184 | 5.0 | 511 | 43              | 9,767  | 469 |       |           |     |
|   | 11      | 10,184 | 5.0  | 511 | 13                | 10,184 | 5.0 | 511 | DIFF.           | 417    | 42  |       |           |     |
| 508728 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 43-01 8 AI DAUGHTERS                   | 8       | 9,130  | 4.8  | 436 |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 43,48                                   | 7       | 8,854  | 4.7  | 418 | 7                 | 8,854  | 4.7 | 418 | 4               | 8,307  | 408 | 8,623 | 409       |     |
|   |         |        |      |     |                   |        |     |     | DIFF.           | 547    | 10  |       |           |     |
| 508732 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 23                                      | 6       | 8,117  | 5.0  | 402 | 10                | 8,117  | 5.0 | 402 | 9               | 8,178  | 390 |       |           |     |
|   | 6       | 8,117  | 5.0  | 402 | 10                | 8,117  | 5.0 | 402 | DIFF.           | 61-    | 12  |       |           |     |
| 508809 LOCKSHORE MAXIM LOCHINVAR.....           |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| 09-18-53 474442 1152177 1 AI DAUGHTERS          | 1       | 10,840 | 5.1  | 558 |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 34-01 LISTED, 08-63 1 WITH HERD-MATES  | 1       | 10,840 | 5.1  | 558 |                   |        |     |     | 3               | 9,681  | 413 | 8,520 | 415       |     |
| STATES- 34                                      |         |        |      |     |                   |        |     |     | OIFF.           | 1159   | 145 |       |           |     |
|   | 20      | 9,407  | 4.9  | 460 | 41                | 9,407  | 4.9 | 460 | 34              | 10,421 | 481 |       |           |     |
|   | 19      | 9,529  | 4.9  | 466 | 40                | 9,529  | 4.9 | 466 | DIFF.           | 892-   | 15- |       |           |     |
| 509063 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 31                                      | 19      | 10,857 | 5.0  | 546 | 19                | 10,857 | 5.0 | 546 | 8               | 10,145 | 491 |       |           |     |
|   | 19      | 10,857 | 5.0  | 546 |                   |        |     |     | DIFF.           | 712    | 55  |       |           |     |
| 509274 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 23                                      | 5       | 10,542 | 4.4  | 466 | 10                | 10,542 | 4.4 | 466 | 25              | 12,124 | 545 |       |           |     |
|   | 4       | 10,282 | 4.5  | 467 | 9                 | 10,282 | 4.5 | 467 | DIFF.           | 1842-  | 78- |       |           |     |
| 509325 YFLLW CREEK 8FT. 8ELL 8DY.....           |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| 10-19-53 475595 1260591 58 AI DAUGHTERS         | 84      | 8,821  | 5.1  | 452 |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 41-25 LISTED, 08-63 56 WITH HERD-MATES | 79      | 8,842  | 5.1  | 452 |                   |        |     |     | 8               | 8,690  | 418 | 8,576 | 434       |     |
| STATES- 35,41,42,45                             |         |        |      |     |                   |        |     |     | DIFF.           | 152    | 34  |       |           |     |
| 509339 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 52,55                                   | 6       | 8,773  | 4.8  | 423 | 9                 | 8,773  | 4.8 | 423 | 38              | 8,739  | 418 |       |           |     |
|   | 6       | 8,773  | 4.8  | 423 | 9                 | 8,773  | 4.8 | 423 | DIFF.           | 34     | 5   |       |           |     |
| 509673 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 51                                      | 5       | 7,006  | 5.0  | 349 | 7                 | 7,006  | 5.0 | 349 | 10              | 8,359  | 399 |       |           |     |
|   | 5       | 7,006  | 5.0  | 349 | 7                 | 7,006  | 5.0 | 349 | DIFF.           | 1353-  | 50- |       |           |     |
| 510014 HAZELWOOD HIGH ZENITH.....               |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| 04-29-53 452071 764787 2 AI DAUGHTERS           | 2       | 10,365 | 4.8  | 502 |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 93-10 LISTED, 08-63 2 WITH HERD-MATES  | 2       | 10,365 | 4.8  | 502 |                   |        |     |     | 15              | 10,230 | 475 | 8,474 | 410       |     |
| STATES- 93                                      |         |        |      |     |                   |        |     |     | DIFF.           | 135    | 27  |       |           |     |
|   | 31      | 12,813 | 4.6  | 593 | 72                | 12,813 | 4.6 | 593 | 13              | 11,813 | 552 |       |           |     |
|   | 31      | 12,813 | 4.6  | 593 | 72                | 12,813 | 4.6 | 593 | DIFF.           | 1000   | 41  |       |           |     |
| 510148 MAXIM OF McDONALD FARMS.....             |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| 02-07-53 454297 1056587 8 NON-AI DAUGHTERS      | 15      | 9,112  | 5.5  | 497 |                   |        |     |     |                 |        |     |       |           |     |
| AI STUD, 39-02 LISTED, 08-63 7 WITH HERD-MATES  | 13      | 9,537  | 5.4  | 512 |                   |        |     |     | 18              | 9,185  | 458 |       |           |     |
| STATES- 23,34,51,55                             |         |        |      |     |                   |        |     |     | OIFF.           | 352    | 54  |       |           |     |
| 510174 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 43                                      | 6       | 8,989  | 4.7  | 425 | 13                | 8,989  | 4.7 | 425 | 12              | 8,674  | 423 |       |           |     |
|   | 6       | 8,989  | 4.7  | 425 | 13                | 8,989  | 4.7 | 425 | DIFF.           | 315    | 2   |       |           |     |
| 510291 .....                                    |         |        |      |     |                   |        |     |     |                 |        |     |       |           |     |
| STATES- 23                                      | 7       | 7,399  | 4.7  | 346 | 8                 | 7,399  | 4.7 | 346 | 6               | 7,654  | 356 |       |           |     |
|   | 7       | 7,399  | 4.7  | 346 | 8                 | 7,399  | 4.7 | 346 | DIFF.           | 255-   | 10- |       |           |     |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY   | AV. RECORDS | PRODUCTION OF MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|--|-------------|-----------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 510322 WOODACRES SUPREME LEADER.....             |             |                       |           |             |                 |                    |            |                       |            |
| 09-09-53 383832 928801 69 AI DAUGHTERS           | 137         | 8,390                 | 4.7       | 397         |                 |                    |            |                       |            |
| AI STUD, 33-01 LISTED, 08-63 66 WITH HERD-MATES  | 132         | 8,409                 | 4.7       | 398         |                 |                    |            |                       |            |
| STATES- 31,33,57,64                              |             |                       |           |             | 10 DIFF.        | 8,803 394-         | 423 25-    | 8,130                 | 386        |
| 510481 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 22                                       | 5           | 9,905                 | 4.7       | 466         |                 |                    |            |                       |            |
| 5 NDN-AI DAUGHTERS                               | 7           | 9,905                 | 4.7       | 466         |                 |                    |            |                       |            |
| 5 WITH HERD-MATES                                | 7           | 9,905                 | 4.7       | 466         | 12 DIFF.        | 8,872 1033         | 422 44     |                       |            |
| 510593 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 92                                       | 8           | 8,469                 | 5.1       | 433         |                 |                    |            |                       |            |
| 8 NDN-AI DAUGHTERS                               | 8           | 8,469                 | 5.1       | 433         |                 |                    |            |                       |            |
| 8 WITH HERD-MATES                                | 8           | 8,469                 | 5.1       | 433         | 5 DIFF.         | 8,865 396-         | 437 4-     |                       |            |
| 510634 FAIRLAWN K. FORTUNE.....                  |             |                       |           |             |                 |                    |            |                       |            |
| 12-19-53 297107 1265185 39 NON-AI DAUGHTERS      | 76          | 10,883                | 4.6       | 500         |                 |                    |            |                       |            |
| AI STUD, 51-02 LISTED, 08-63 38 WITH HERD-MATES  | 75          | 10,851                | 4.6       | 499         |                 |                    |            |                       |            |
| STATES- 16,21,22,23,31,33,43, 50,51,54,63,65,93  |             |                       |           |             | 25 DIFF.        | 9,561 1290         | 457 42     |                       |            |
| 510635 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 35                                       | 5           | 9,437                 | 4.7       | 446         |                 |                    |            |                       |            |
| 5 NON-AI DAUGHTERS                               | 6           | 9,437                 | 4.7       | 446         |                 |                    |            |                       |            |
| 5 WITH HERD-MATES                                | 6           | 9,437                 | 4.7       | 446         | 12 DIFF.        | 9,052 385          | 435 11     |                       |            |
| 510695 YELLOW CREEK 8FT. CHEER LEADER.....       |             |                       |           |             |                 |                    |            |                       |            |
| 12-01-53 475595 1060574 28 NON-AI DAUGHTERS      | 50          | 8,972                 | 4.8       | 429         |                 |                    |            |                       |            |
| AI STUD, 42-02 LISTED, 08-63 26 WITH HERD-MATES  | 47          | 8,963                 | 4.8       | 429         |                 |                    |            |                       |            |
| STATES- 32,34                                    |             |                       |           |             | 6 DIFF.         | 9,197 234-         | 437 8-     |                       |            |
| 511205 WESTERN GLOW BUTTERFAT TRAVLER.....       |             |                       |           |             |                 |                    |            |                       |            |
| 10-27-53 465116 1160645 34 NON-AI DAUGHTERS      | 70          | 9,664                 | 4.8       | 462         |                 |                    |            |                       |            |
| AI STUD, 35-02 LISTED, 08-63 32 WITH HERD-MATES  | 65          | 9,724                 | 4.8       | 464         |                 |                    |            |                       |            |
| STATES- 11,12,14,16,21,23,81, 91                 |             |                       |           |             | 23 DIFF.        | 9,945 221-         | 477 13-    |                       |            |
| 511244 BURGER-S PLACE 8ILLY.....                 |             |                       |           |             |                 |                    |            |                       |            |
| 10-24-53 454224 1278008 53 NDN-AI DAUGHTERS      | 104         | 12,579                | 4.6       | 573         |                 |                    |            |                       |            |
| AI STUD, 35-75 LISTED, 08-63 52 WITH HERD-MATES  | 102         | 12,602                | 4.6       | 575         |                 |                    |            |                       |            |
| STATES- 21,31,74,86,93                           |             |                       |           |             | 20 DIFF.        | 11,240 1362        | 524 51     |                       |            |
| 511308 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 64                                       | 5           | 6,502                 | 4.2       | 274         |                 |                    |            |                       |            |
| 5 NDN-AI DAUGHTERS                               | 5           | 6,502                 | 4.2       | 274         |                 |                    |            |                       |            |
| 5 WITH HERD-MATES                                | 5           | 6,502                 | 4.2       | 274         | 29 DIFF.        | 7,059 557-         | 311 37-    |                       |            |
| 511435 HOMINY HILL GAGE.....                     |             |                       |           |             |                 |                    |            |                       |            |
| 02-18-54 453762 1037559 1 AI DAUGHTERS           | 1           | 7,490                 | 3.6       | 267         |                 |                    |            |                       |            |
| AI STUD, 31-01 LISTED, 08-63 1 WITH HERD-MATES   | 1           | 7,490                 | 3.6       | 267         |                 |                    |            |                       |            |
| STATES- 31,34                                    |             |                       |           |             | 6 DIFF.         | 8,190 700-         | 390 123-   | 8,379                 | 396        |
|  | 24          | 8,973                 | 4.8       | 429         |                 |                    |            |                       |            |
| 23 NON-AI DAUGHTERS                              | 44          | 8,973                 | 4.8       | 429         |                 |                    |            |                       |            |
| 23 WITH HERD-MATES                               | 42          | 8,913                 | 4.8       | 428         | 9 DIFF.         | 9,172 259-         | 435 7-     |                       |            |
| 511627 PRESTOALE 8ON. VICTOR.....                |             |                       |           |             |                 |                    |            |                       |            |
| 02-05-53 496783 1081217 44 AI DAUGHTERS          | 46          | 9,556                 | 4.6       | 435         |                 |                    |            |                       |            |
| AI STUD, 92-01 LISTED, 08-63 41 WITH HERD-MATES  | 43          | 9,567                 | 4.6       | 439         |                 |                    |            |                       |            |
| STATES- 82,92                                    |             |                       |           |             | 17 DIFF.        | 9,279 288          | 446 7-     | 8,717                 | 403        |
|  | 17          | 11,099                | 4.7       | 517         |                 |                    |            |                       |            |
| 14 NON-AI DAUGHTERS                              | 36          | 11,099                | 4.7       | 517         |                 |                    |            |                       |            |
| 14 WITH HERD-MATES                               | 33          | 11,235                | 4.7       | 528         | 11 DIFF.        | 10,164 1071        | 499 29     |                       |            |
| 511640 FOREMDST QUANTITY-S SUPER8.....           |             |                       |           |             |                 |                    |            |                       |            |
| 11-13-53 351131 665992 161 AI DAUGHTERS          | 323         | 8,083                 | 4.7       | 383         |                 |                    |            |                       |            |
| AI STUD, 23-05 LISTED, 08-63 153 WITH HERD-MATES | 303         | 8,119                 | 4.7       | 385         |                 |                    |            |                       |            |
| STATES- 23,31,43,51,65,73                        |             |                       |           |             | 10 DIFF.        | 8,462 343-         | 406 21-    | 8,117                 | 386        |
| 512016 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 33,52,55                                 | 20          | 6,849                 | 5.2       | 356         |                 |                    |            |                       |            |
| 18 NDN-AI DAUGHTERS                              | 18          | 6,621                 | 5.2       | 347         |                 |                    |            |                       |            |
| 18 WITH HERD-MATES                               | 18          | 6,621                 | 5.2       | 347         | 13 DIFF.        | 6,867 246-         | 334 13     |                       |            |
| 512148 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 23                                       | 9           | 8,971                 | 4.4       | 393         |                 |                    |            |                       |            |
| 8 NDN-AI DAUGHTERS                               | 8           | 8,799                 | 4.5       | 397         |                 |                    |            |                       |            |
| 8 WITH HERD-MATES                                | 8           | 8,799                 | 4.5       | 397         | 11 DIFF.        | 9,120 321-         | 444 47-    |                       |            |
| 512193 MELFIELD STEADFAST PATRICK.....           |             |                       |           |             |                 |                    |            |                       |            |
| 12-02-52 316459 1557194 17 NON-AI DAUGHTERS      | 23          | 11,176                | 4.3       | 480         |                 |                    |            |                       |            |
| AI STUD, 31-02 LISTED, 08-63 17 WITH HERD-MATES  | 23          | 11,175                | 4.3       | 480         |                 |                    |            |                       |            |
| STATES- 23,51,58                                 |             |                       |           |             | 25 DIFF.        | 8,583 2593         | 409 71     |                       |            |
| 512281 GOLDEN GRANGE P. CORPDRA.....             |             |                       |           |             |                 |                    |            |                       |            |
| 05-24-53 463332 1263988 13 NDN-AI DAUGHTERS      | 29          | 9,151                 | 5.1       | 471         |                 |                    |            |                       |            |
| AI STUD, 72-01 LISTED, 08-63 13 WITH HERD-MATES  | 29          | 9,151                 | 5.1       | 471         |                 |                    |            |                       |            |
| STATES- 32,33,61,63                              |             |                       |           |             | 13 DIFF.        | 9,347 196-         | 463 8      |                       |            |
| 512297 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 33,35,65,72                              | 5           | 8,421                 | 4.4       | 369         |                 |                    |            |                       |            |
| 5 NDN-AI DAUGHTERS                               | 9           | 8,421                 | 4.4       | 369         |                 |                    |            |                       |            |
| 5 WITH HERD-MATES                                | 9           | 8,421                 | 4.4       | 369         | 15 DIFF.        | 8,089 332          | 380 11-    |                       |            |
| 512492 ROSEBUD FARM MCREGAL.....                 |             |                       |           |             |                 |                    |            |                       |            |
| 03-04-54 493169 954144 36 AI DAUGHTERS           | 57          | 8,042                 | 4.7       | 376         |                 |                    |            |                       |            |
| AI STUD, 42-02 LISTED, 08-63 32 WITH HERD-MATES  | 53          | 8,012                 | 4.7       | 379         |                 |                    |            |                       |            |
| STATES- 35,42                                    |             |                       |           |             | 7 DIFF.         | 8,156 144-         | 388 9-     | 8,307                 | 397        |
|  | 5           | 9,714                 | 4.4       | 426         |                 |                    |            |                       |            |
| 5 NON-AI DAUGHTERS                               | 14          | 9,714                 | 4.4       | 426         |                 |                    |            |                       |            |
| 5 WITH HERD-MATES                                | 13          | 9,723                 | 4.4       | 426         | 14 DIFF.        | 9,046 677          | 420 6      |                       |            |
| 512506 .....                                     |             |                       |           |             |                 |                    |            |                       |            |
| STATES- 23,54                                    | 5           | 9,728                 | 4.9       | 476         |                 |                    |            |                       |            |
| 5 NDN-AI DAUGHTERS                               | 9           | 9,728                 | 4.9       | 476         |                 |                    |            |                       |            |
| 5 WITH HERD-MATES                                | 8           | 9,815                 | 4.9       | 483         | 13 DIFF.        | 9,139 676          | 448 35     |                       |            |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY   | AV. PRODUCTION OF OAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 512563 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 86                                       | 5                      | 9,200      | 4.2       | 387       | 5                   | 9,200      | 4.2       | 387           |           |
|  | 5                      | 9,200      | 4.2       | 387       |                     |            |           |               |           |
|  |                        |            |           |           | 42                  | 9,245      | 415       |               |           |
|  |                        |            |           |           | DIFF.               | 45-        | 28-       |               |           |
| 512569 FOREMDST FOOTPRINT-S SUPERIOR.....        |                        |            |           |           |                     |            |           |               |           |
| 03-06-54 351131 1316686 8 AI DAUGHTERS           | 9                      | 8,836      | 4.9       | 433       |                     |            |           |               |           |
| AI STUO, 33-02 LISTED, 08-63 8 WITH HERD-MATES   | 9                      | 8,836      | 4.9       | 433       | 7                   | 8,761      | 416       | 8,473         | 412       |
| STATES- 43                                       |                        |            |           |           | DIFF.               | 75         | 17        |               |           |
|  | 14                     | 9,966      | 5.0       | 503       |                     |            |           |               |           |
|  | 14                     | 9,966      | 5.0       | 503       | 7                   | 9,668      | 468       |               |           |
|  |                        |            |           |           | DIFF.               | 298        | 35        |               |           |
| 512660 GOLDEN GRANGE IDEAL WM PENN.....          |                        |            |           |           |                     |            |           |               |           |
| 01-08-54 424343 1103034 145 AI DAUGHTERS         | 317                    | 8,493      | 4.9       | 413       |                     |            |           |               |           |
| AI STUO, 23-05 LISTED, 08-63 143 WITH HERD-MATES | 310                    | 8,525      | 4.9       | 414       | 8                   | 8,614      | 412       | 8,365         | 408       |
| STATES- 23                                       |                        |            |           |           | DIFF.               | 89-        | 2         |               |           |
| 512836 MEYER FARM LEVITY COLDNEL.....            |                        |            |           |           |                     |            |           |               |           |
| 01-02-54 471455 920679 10 NON-AI DAUGHTERS       | 16                     | 8,973      | 5.0       | 448       |                     |            |           |               |           |
| AI STUO, 41-01 LISTED, 08-63 8 WITH HERD-MATES   | 12                     | 9,010      | 4.9       | 443       | 7                   | 8,945      | 430       |               |           |
| STATES- 41,45                                    |                        |            |           |           | DIFF.               | 65         | 13        |               |           |
| 512917 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 61                                       | 6                      | 7,362      | 4.5       | 330       |                     |            |           |               |           |
|  | 2                      | 8,430      | 4.9       | 411       | 11                  | 9,006      | 428       |               |           |
|  |                        |            |           |           | DIFF.               | 576-       | 17-       |               |           |
| 512972 HENSLEE FARMS GALAHADS VIRGEL.....        |                        |            |           |           |                     |            |           |               |           |
| 12-08-53 365829 1134689 2 AI DAUGHTERS           | 2                      | 7,700      | 5.1       | 392       |                     |            |           |               |           |
| AI STUO, 31-02 LISTED, 08-63 2 WITH HERD-MATES   | 2                      | 7,700      | 5.1       | 392       | 1                   | 9,314      | 450       | 8,216         | 397       |
| STATES- 21,23,31,32,33,35,43,                    |                        |            |           |           | DIFF.               | 1614-      | 58-       |               |           |
| 51,56,61,63,91                                   | 34                     | 9,137      | 4.9       | 445       |                     |            |           |               |           |
|  | 34                     | 9,137      | 4.9       | 445       | 19                  | 8,971      | 438       |               |           |
|  |                        |            |           |           | DIFF.               | 166        | 7         |               |           |
| 512974 HENSLEE FARMS V. FAME.....                |                        |            |           |           |                     |            |           |               |           |
| 02-07-54 458786 1408844 36 NON-AI DAUGHTERS      | 63                     | 11,193     | 4.4       | 489       |                     |            |           |               |           |
| AI STUO, 33-03 LISTED, 08-63 36 WITH HERD-MATES  | 63                     | 11,193     | 4.4       | 489       | 17                  | 9,267      | 422       |               |           |
| STATES- 33,61,63,65,72,73                        |                        |            |           |           | DIFF.               | 1926       | 67        |               |           |
| 513170 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 61                                       | 11                     | 7,766      | 4.7       | 363       |                     |            |           |               |           |
|  | 11                     | 7,766      | 4.7       | 363       | 3                   | 7,528      | 353       |               |           |
|  |                        |            |           |           | DIFF.               | 238        | 10        |               |           |
| 513268 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 48                                       | 5                      | 8,632      | 5.0       | 428       |                     |            |           |               |           |
|  | 5                      | 8,632      | 5.0       | 428       | 10                  | 8,584      | 417       |               |           |
|  |                        |            |           |           | DIFF.               | 48         | 11        |               |           |
| 513332 MDNTEREY PANSY-S KING.....                |                        |            |           |           |                     |            |           |               |           |
| 04-21-54 496522 1097100 19 NON-AI DAUGHTERS      | 47                     | 8,515      | 4.8       | 409       |                     |            |           |               |           |
| AI STUO, 41-01 LISTED, 08-63 18 WITH HERD-MATES  | 46                     | 8,550      | 4.9       | 415       | 6                   | 8,743      | 408       |               |           |
| STATES- 41                                       |                        |            |           |           | DIFF.               | 193-       | 7         |               |           |
| 513425 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 93                                       | 7                      | 10,031     | 5.4       | 539       |                     |            |           |               |           |
|  | 7                      | 10,031     | 5.4       | 539       | 18                  | 10,060     | 543       |               |           |
|  |                        |            |           |           | DIFF.               | 29-        | 4-        |               |           |
| 514133 ROSEWDDO RDYAL BEACON.....                |                        |            |           |           |                     |            |           |               |           |
| 02-07-54 473218 988438 5 AI DAUGHTERS            | 5                      | 8,226      | 4.4       | 365       |                     |            |           |               |           |
| AI STUO, 35-05 LISTED, 08-63 4 WITH HERD-MATES   | 4                      | 8,588      | 4.6       | 393       | 18                  | 9,472      | 443       | 8,235         | 393       |
| STATES- 23,41,48,51                              |                        |            |           |           | DIFF.               | 884-       | 50-       |               |           |
|  | 67                     | 10,438     | 4.7       | 494       |                     |            |           |               |           |
|  | 66                     | 10,485     | 4.7       | 496       | 20                  | 9,837      | 475       |               |           |
|  |                        |            |           |           | DIFF.               | 648        | 21        |               |           |
| 514606 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 23,51                                    | 5                      | 8,784      | 5.1       | 445       |                     |            |           |               |           |
|  | 4                      | 9,050      | 5.0       | 456       | 15                  | 9,623      | 478       |               |           |
|  |                        |            |           |           | DIFF.               | 573-       | 22-       |               |           |
| 514619 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                       | 6                      | 9,642      | 4.5       | 433       |                     |            |           |               |           |
|  | 6                      | 9,642      | 4.5       | 433       | 17                  | 9,161      | 438       |               |           |
|  |                        |            |           |           | DIFF.               | 481        | 5-        |               |           |
| 514747 NDRTHERN CONRAD-S COUNT.....              |                        |            |           |           |                     |            |           |               |           |
| 10-05-54 301376 779892 14 NON-AI DAUGHTERS       | 33                     | 11,397     | 4.9       | 560       |                     |            |           |               |           |
| AI STUO, 35-75 LISTED, 08-63 14 WITH HERD-MATES  | 29                     | 11,377     | 4.9       | 561       | 7                   | 12,472     | 608       |               |           |
| STATES- 11,12,23,31                              |                        |            |           |           | DIFF.               | 1095-      | 47-       |               |           |
| 514764 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 12,41                                    | 5                      | 7,021      | 4.9       | 347       |                     |            |           |               |           |
|  | 5                      | 7,008      | 5.0       | 347       | 7                   | 7,925      | 365       |               |           |
|  |                        |            |           |           | DIFF.               | 917-       | 18-       |               |           |
| 514858 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 82                                       | 6                      | 8,293      | 5.2       | 432       |                     |            |           |               |           |
|  | 4                      | 8,825      | 5.1       | 448       | 18                  | 9,100      | 446       |               |           |
|  |                        |            |           |           | DIFF.               | 275-       | 2         |               |           |
| 515308 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                                       | 7                      | 7,891      | 5.0       | 396       |                     |            |           |               |           |
|  | 7                      | 7,891      | 5.0       | 396       | 39                  | 8,781      | 421       |               |           |
|  |                        |            |           |           | DIFF.               | 890-       | 25-       |               |           |
| 515499 GDLOEN GRANGE PETUNIA-S VERNER.....       |                        |            |           |           |                     |            |           |               |           |
| 06-03-54 474648 1200471 9 AI DAUGHTERS           | 10                     | 8,660      | 5.0       | 430       |                     |            |           |               |           |
| AI STUO, 35-05 LISTED, 08-63 9 WITH HERD-MATES   | 10                     | 8,660      | 5.0       | 430       | 13                  | 8,800      | 421       | 8,387         | 410       |
| STATES- 32,33,35,41,72                           |                        |            |           |           | DIFF.               | 140-       | 9         |               |           |
|  | 14                     | 8,541      | 4.9       | 418       |                     |            |           |               |           |
|  | 14                     | 8,543      | 4.9       | 417       | 13                  | 8,444      | 403       |               |           |
|  |                        |            |           |           | DIFF.               | 99         | 14        |               |           |

## SIRE OF DHIA DAUGHTERS

| SIRES OF DATA DAUGHTER                    |               |         |     | AV. RECDROS      | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|---------------|---------|-----|------------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| GUERNSEY                                  |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 515501 FOREMOST QUALITY-S J. C.....       |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 06-09-54                                  | 390760        | 1004897 | 108 | AI DAUGHTERS     | 226                | 9,340     | 4.6         | 430             |                    |            |                   |            |
| AI STUD, 23-05                            | LISTED, 08-63 |         | 105 | WITH HERD-MATES  | 219                | 9,445     | 4.6         | 436             | 11                 | 8,664      | 417               | 9,146 423  |
| STATES- 23,43                             |               |         |     |                  |                    |           |             |                 | DIFF.              | 782        | 19                |            |
|   |               |         | 4   | NON-AI DAUGHTERS | 9                  | 9,964     | 4.7         | 473             |                    |            |                   |            |
|   |               |         | 4   | WITH HERD-MATES  | 9                  | 9,964     | 4.7         | 473             | 33                 | 9,660      | 440               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 304        | 33                |            |
| 515620 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 6   | NON-AI DAUGHTERS | 8                  | 8,338     | 4.6         | 380             |                    |            |                   |            |
| STATES- 23,31,56                          |               |         | 6   | WITH HERD-MATES  | 8                  | 8,338     | 4.6         | 380             | 22                 | 8,808      | 418               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 470-       | 38-               |            |
| 515717 HENSLEE FARMS D DNWARD.....        |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 11-12-54                                  | 426335        | 1010804 | 2   | AI DAUGHTERS     | 2                  | 5,270     | 3.9         | 208             |                    |            |                   |            |
| AI STUD, 33-03                            | LISTED, 08-63 |         | 1   | WITH HERD-MATES  | 1                  | 6,530     | 3.0         | 198             | 6                  | 6,350      | 277               | 8,428 399  |
| STATES- 23,63,65                          |               |         |     |                  |                    |           |             |                 | DIFF.              | 180        | 79-               |            |
|   |               |         | 24  | NON-AI DAUGHTERS | 51                 | 8,475     | 4.6         | 389             |                    |            |                   |            |
|   |               |         | 24  | WITH HERD-MATES  | 51                 | 8,478     | 4.6         | 389             | 13                 | 9,149      | 419               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 671-       | 30-               |            |
| 515718 HENSLEE FARMS D FORWARD.....       |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 11-12-54                                  | 426335        | 1010804 | 12  | NON-AI DAUGHTERS | 14                 | 9,757     | 4.8         | 466             |                    |            |                   |            |
| AI STUD, 63-02                            | LISTED, 08-63 |         | 12  | WITH HERD-MATES  | 14                 | 9,757     | 4.8         | 466             | 19                 | 8,729      | 439               |            |
| STATES- 63,65                             |               |         |     |                  |                    |           |             |                 | DIFF.              | 1028       | 27                |            |
| 515776 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 5   | NON-AI DAUGHTERS | 12                 | 9,551     | 4.6         | 436             |                    |            |                   |            |
| STATES- 63                                |               |         | 5   | WITH HERD-MATES  | 12                 | 9,551     | 4.6         | 436             | 21                 | 8,877      | 434               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 674        | 2                 |            |
| 515905 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 5   | NON-AI DAUGHTERS | 8                  | 7,295     | 4.4         | 321             |                    |            |                   |            |
| STATES- 43                                |               |         | 5   | WITH HERD-MATES  | 8                  | 7,295     | 4.4         | 321             | 35                 | 8,670      | 395               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 1375-      | 74-               |            |
| 515996 SKYLINE LEE-S BANNER.....          |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 02-28-54                                  | 483717        | 1313031 | 23  | NON-AI DAUGHTERS | 48                 | 8,806     | 5.1         | 453             |                    |            |                   |            |
| AI STUD, 48-01                            | LISTED, 08-63 |         | 23  | WITH HERD-MATES  | 48                 | 8,806     | 5.1         | 453             | 16                 | 8,385      | 419               |            |
| STATES- 47,48                             |               |         |     |                  |                    |           |             |                 | DIFF.              | 421        | 34                |            |
| 516115 MCDONALD FARMS PRE SAINT NICK..... |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 12-25-53                                  | 293925        | 1248251 | 79  | AI DAUGHTERS     | 154                | 8,777     | 4.9         | 434             |                    |            |                   |            |
| AI STUD, 51-02                            | LISTED, 08-63 |         | 76  | WITH HERD-MATES  | 150                | 8,827     | 4.9         | 436             | 15                 | 8,569      | 417               | 8,664 422  |
| STATES- 23,51,54,58                       |               |         |     |                  |                    |           |             |                 | DIFF.              | 258        | 19                |            |
| 516703 COLBY'S GALLANT.....               |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 08-21-54                                  | 440484        | 1104212 | 36  | NON-AI DAUGHTERS | 72                 | 10,255    | 4.9         | 500             |                    |            |                   |            |
| AI STUD, 34-01                            | LISTED, 08-63 |         | 36  | WITH HERD-MATES  | 72                 | 10,255    | 4.9         | 500             | 16                 | 9,532      | 470               |            |
| STATES- 23,34,35,41                       |               |         |     |                  |                    |           |             |                 | DIFF.              | 723        | 30                |            |
| 517018 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 5   | NON-AI DAUGHTERS | 5                  | 7,442     | 4.8         | 360             |                    |            |                   |            |
| STATES- 73                                |               |         | 5   | WITH HERD-MATES  | 5                  | 7,442     | 4.8         | 360             | 23                 | 7,715      | 381               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 273-       | 21-               |            |
| 517080 MULHCCAWAY BUTTERFAT DIPLOMAT..... |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 08-11-54                                  | 431323        | 1059368 | 319 | AI DAUGHTERS     | 506                | 8,992     | 4.8         | 433             |                    |            |                   |            |
| AI STUD, 31-02                            | LISTED, 08-63 |         | 314 | WITH HERD-MATES  | 498                | 9,010     | 4.8         | 434             | 22                 | 9,083      | 432               | 8,422 410  |
| STATES- 14,23,31,32,43,51,55,56,58,64,74  |               |         |     |                  |                    |           |             |                 | DIFF.              | 73-        | 2                 |            |
| 517081 MULHCCAWAY BUTTERFAT PRIMATE.....  |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 10-22-54                                  | 493764        | 7303222 | 33  | NON-AI DAUGHTERS | 72                 | 10,272    | 4.9         | 507             |                    |            |                   |            |
| AI STUD, 35-75                            | LISTED, 08-63 |         | 33  | WITH HERD-MATES  | 72                 | 10,272    | 4.9         | 507             | 17                 | 10,707     | 512               |            |
| STATES- 14,16,23,31                       |               |         |     |                  |                    |           |             |                 | DIFF.              | 435-       | 5-                |            |
| 517298 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 6   | NON-AI DAUGHTERS | 6                  | 10,308    | 4.9         | 507             |                    |            |                   |            |
| STATES- 23                                |               |         | 6   | WITH HERD-MATES  | 6                  | 10,308    | 4.9         | 507             | 13                 | 8,915      | 416               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 1393       | 91                |            |
| 517299 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 6   | NON-AI DAUGHTERS | 7                  | 9,980     | 4.9         | 492             |                    |            |                   |            |
| STATES- 23                                |               |         | 6   | WITH HERD-MATES  | 7                  | 9,980     | 4.9         | 492             | 23                 | 10,207     | 510               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 227-       | 18-               |            |
| 517339 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 5   | NON-AI DAUGHTERS | 6                  | 8,673     | 4.7         | 406             |                    |            |                   |            |
| STATES- 21,22,23                          |               |         | 5   | WITH HERD-MATES  | 6                  | 8,673     | 4.7         | 406             | 27                 | 8,970      | 423               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 297-       | 17-               |            |
| 517516 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 5   | NON-AI DAUGHTERS | 5                  | 8,154     | 4.6         | 374             |                    |            |                   |            |
| STATES- 54                                |               |         | 4   | WITH HERD-MATES  | 4                  | 8,048     | 4.7         | 382             | 16                 | 9,331      | 448               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 1283-      | 66-               |            |
| 517801 CLA-URE MASHFP-S J'ISE.....        |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 10-12-54                                  | 449685        | 1323961 | 20  | NON-AI DAUGHTERS | 41                 | 9,105     | 5.1         | 468             |                    |            |                   |            |
| AI STUD, 41-25                            | LISTED, 08-63 |         | 20  | WITH HERD-MATES  | 40                 | 9,121     | 5.1         | 469             | 10                 | 9,010      | 439               |            |
| STATES- 35,41,42,63,82,85,86,92           |               |         |     |                  |                    |           |             |                 | DIFF.              | 111        | 30                |            |
| 517821 .....                              |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
|   |               |         | 5   | NON-AI DAUGHTERS | 11                 | 8,416     | 5.2         | 436             |                    |            |                   |            |
| STATES- 31                                |               |         | 5   | WITH HERD-MATES  | 11                 | 8,416     | 5.2         | 436             | 16                 | 8,716      | 423               |            |
|   |               |         |     |                  |                    |           |             |                 | DIFF.              | 300-       | 13                |            |
| 518018 MCDONALD FARMS MISTER VINCENT..... |               |         |     |                  |                    |           |             |                 |                    |            |                   |            |
| 06-02-54                                  | 488786        | 1106764 | 10  | NON-AI DAUGHTERS | 12                 | 9,575     | 5.1         | 492             |                    |            |                   |            |
| AI STUD, 12-03                            | LISTED, 08-63 |         | 10  | WITH HERD-MATES  | 12                 | 9,575     | 5.1         | 492             | 9                  | 8,783      | 436               |            |
| STATES- 12,13                             |               |         |     |                  |                    |           |             |                 | DIFF.              | 792        | 56                |            |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY   | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 518025 MCDONALD FARMS RIVAL VIKING.....          |                        |            |           |           |                     |            |           |               |           |
| 09-12-54 493168 907253 2 AI DAUGHTERS            | 2                      | 9,645      | 3.8       | 369       |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 08-63 1 WITH HERD-MATES   | 1                      | 10,530     | 3.7       | 386       | 2                   | 9,976      | 432       | 8,480         | 402       |
| STATES- 32,33,35,51                              |                        |            |           |           | DIFF.               | 554        | 46-       |               |           |
| 27 NDN-AI DAUGHTERS                              | 52                     | 9,348      | 4.9       | 457       | 11                  | 9,819      | 491       |               |           |
| 27 WITH HERD-MATES                               | 52                     | 9,348      | 4.9       | 457       | DIFF.               | 471-       | 34-       |               |           |
| 518026 MCDONALD FARMS MISTER VIRGIL.....         |                        |            |           |           |                     |            |           |               |           |
| 12-12-54 488786 958368 5 AI DAUGHTERS            | 5                      | 9,326      | 4.5       | 417       |                     |            |           |               |           |
| AI STUD, 35-02 LISTED, 08-63 4 WITH HERD-MATES   | 4                      | 9,035      | 4.6       | 414       | 6                   | 9,244      | 429       | 8,398         | 402       |
| STATES- 33,35                                    |                        |            |           |           | DIFF.               | 209-       | 15-       |               |           |
| 18 NDN-AI DAUGHTERS                              | 30                     | 10,255     | 5.0       | 510       | 8                   | 9,116      | 450       |               |           |
| 18 WITH HERD-MATES                               | 29                     | 10,299     | 5.0       | 513       | DIFF.               | 1183       | 63        |               |           |
| 518063 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 56                                       | 5                      | 7,948      | 4.3       | 340       | 46                  | 8,014      | 382       |               |           |
| 5  | 5                      | 7,948      | 4.3       | 340       | DIFF.               | 66-        | 42-       |               |           |
| 518098 RANSOM SATANTA-S SCHDLAR.....             |                        |            |           |           |                     |            |           |               |           |
| 02-06-55 472450 1513306 18 NDN-AI DAUGHTERS      | 27                     | 9,335      | 4.9       | 457       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 08-63 18 WITH HERD-MATES  | 27                     | 9,335      | 4.9       | 457       | 10                  | 8,257      | 414       |               |           |
| STATES- 48                                       |                        |            |           |           | DIFF.               | 1078       | 43        |               |           |
| 518235 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                                       | 5                      | 11,496     | 4.3       | 492       | 19                  | 9,720      | 441       |               |           |
| 5  | 7                      | 11,496     | 4.3       | 492       | DIFF.               | 1776       | 51        |               |           |
| 518311 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                                       | 8                      | 8,611      | 5.0       | 431       | 12                  | 9,059      | 427       |               |           |
| 8  | 9                      | 8,611      | 5.0       | 431       | DIFF.               | 448-       | 4         |               |           |
| 518484 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 72                                       | 6                      | 9,765      | 4.8       | 473       | 7                   | 9,358      | 445       |               |           |
| 5  | 8                      | 10,156     | 4.7       | 482       | DIFF.               | 798        | 37        |               |           |
| 518507 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 48                                       | 5                      | 9,234      | 4.9       | 449       | 6                   | 8,182      | 368       |               |           |
| 5  | 7                      | 9,234      | 4.9       | 449       | DIFF.               | 1052       | 81        |               |           |
| 518540 ROCK-S ACRES LIBERTY PEERLESS.....        |                        |            |           |           |                     |            |           |               |           |
| 08-29-53 365001 1044077 9 AI DAUGHTERS           | 15                     | 7,963      | 5.4       | 428       |                     |            |           |               |           |
| AI STUD, 35-04 LISTED, 08-63 9 WITH HERD-MATES   | 15                     | 7,963      | 5.4       | 428       | 13                  | 7,961      | 398       | 8,411         | 417       |
| STATES- 33,35                                    |                        |            |           |           | DIFF.               | 2          | 30        |               |           |
| 518609 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 33                                       | 6                      | 9,723      | 4.7       | 461       | 2                   | 9,147      | 449       |               |           |
| 6  | 6                      | 9,723      | 4.7       | 461       | DIFF.               | 576        | 12        |               |           |
| 518624 QUINCY KING JOHN.....                     |                        |            |           |           |                     |            |           |               |           |
| 10-16-54 475595 1272757 127 AI DAUGHTERS         | 158                    | 8,867      | 5.0       | 447       |                     |            |           |               |           |
| AI STUD, 51-02 LISTED, 08-63 125 WITH HERD-MATES | 155                    | 8,831      | 5.1       | 446       | 18                  | 8,673      | 424       | 8,596         | 427       |
| STATES- 21,22,23,51,54,55,58                     |                        |            |           |           | DIFF.               | 158        | 22        |               |           |
| 12 NDN-AI DAUGHTERS                              | 25                     | 9,217      | 5.1       | 471       | 12                  | 8,733      | 432       |               |           |
| 11 WITH HERD-MATES                               | 23                     | 9,675      | 5.1       | 494       | DIFF.               | 942        | 62        |               |           |
| 518677 MCDONALD FARMS ROYAL TROY.....            |                        |            |           |           |                     |            |           |               |           |
| 10-07-53 470604 1404938 18 AI DAUGHTERS          | 28                     | 8,865      | 4.7       | 420       |                     |            |           |               |           |
| AI STUD, 35-03 LISTED, 08-63 18 WITH HERD-MATES  | 28                     | 8,865      | 4.7       | 420       | 11                  | 8,981      | 422       | 8,393         | 405       |
| STATES- 35                                       |                        |            |           |           | DIFF.               | 116-       | 2-        |               |           |
| 7 NDN-AI DAUGHTERS                               | 14                     | 9,565      | 4.8       | 455       | 10                  | 9,409      | 450       |               |           |
| 7 WITH HERD-MATES                                | 14                     | 9,565      | 4.8       | 455       | DIFF.               | 156        | 5         |               |           |
| 518798 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 31,34                                    | 10                     | 8,121      | 4.9       | 400       | 10                  | 8,532      | 400       |               |           |
| 10   | 10                     | 8,121      | 4.9       | 400       | DIFF.               | 411-       |           |               |           |
| 518948 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 33                                       | 5                      | 8,152      | 5.1       | 414       | 14                  | 6,849      | 328       |               |           |
| 5  | 5                      | 8,152      | 5.1       | 414       | DIFF.               | 1303       | 86        |               |           |
| 518958 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 91,92                                    | 6                      | 8,650      | 4.6       | 400       | 19                  | 8,630      | 456       |               |           |
| 5  | 5                      | 8,840      | 4.6       | 411       | DIFF.               | 210        | 45-       |               |           |
| 519062 .....                                     |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 93-01                                   | 5                      | 9,291      | 5.1       | 471       | 27                  | 8,532      | 418       | 8,653         | 421       |
| STATES- 93                                       | 5                      | 9,291      | 5.1       | 471       | DIFF.               | 759        | 53        |               |           |
| 519140 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 32                                       | 7                      | 8,482      | 5.2       | 442       | 8                   | 8,081      | 406       |               |           |
| 7  | 8                      | 8,482      | 5.2       | 442       | DIFF.               | 401        | 36        |               |           |
| 519235 CHUKLUCK MAJESTY.....                     |                        |            |           |           |                     |            |           |               |           |
| 01-31-55 519229 1435047 19 NDN-AI DAUGHTERS      | 33                     | 9,113      | 5.2       | 476       |                     |            |           |               |           |
| AI STUD, 35-02 LISTED, 08-63 19 WITH HERD-MATES  | 32                     | 9,139      | 5.2       | 477       | 16                  | 9,437      | 468       |               |           |
| STATES- 16,33,82,91,92                           |                        |            |           |           | DIFF.               | 298-       | 9         |               |           |
| 519383 YFLLC CREEK B. SALAMANDER.....            |                        |            |           |           |                     |            |           |               |           |
| 11-20-54 461593 1480194 71 AI DAUGHTERS          | 136                    | 9,158      | 4.9       | 453       |                     |            |           |               |           |
| AI STUD, 23-04 LISTED, 08-63 64 WITH HERD-MATES  | 126                    | 9,194      | 5.0       | 457       | 13                  | 8,733      | 431       | 8,842         | 429       |
| STATES- 23,51,52                                 |                        |            |           |           | DIFF.               | 461        | 26        |               |           |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY   | AV. PRODUCTION OF |                  |      |        | DAU. | ADJ. HERD-MATES |       |        | AV. PREDICTED |           |
|--|-------------------|------------------|------|--------|------|-----------------|-------|--------|---------------|-----------|
|  | RECORDS           | MILK             | TEST | FAT    |      | AV.             | MILK  | FAT    | MILK          | FAT       |
|  | NUMBER            | LB               | %    | LB     |      | NUMBER          | LB    | LB     | LB            | LB        |
| 519468 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 11                                       | 5                 | NDN-AI DAUGHTERS | 5    | 9,018  | 4.7  | 423             |       |        |               |           |
|  | 4                 | WITH HERD-MATES  | 4    | 9,145  | 4.9  | 445             | 10    | 9,273  | 447           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 128-   | 2-            |           |
| 519472 ARGILLA BRIGHT STAR-S BRUTUS.....         |                   |                  |      |        |      |                 |       |        |               |           |
| 02-23-55 391470 1092039 24 AI DAUGHTERS          | 33                | 9,581            | 4.9  | 469    |      |                 |       |        |               |           |
| AI STUD, 12-03 LISTED, 08-63 24 WITH HERD-MATES  | 33                | 9,581            | 4.9  | 469    |      |                 | 12    | 8,925  | 421           | 8,895 438 |
| STATES- 12,13,21,23                              |                   |                  |      |        |      |                 | DIFF. | 656    | 48            |           |
| 519636 MCDONALD FARMS JDLLY VICAR.....           |                   |                  |      |        |      |                 |       |        |               |           |
| 10-16-54 439587 1293104 119 AI DAUGHTERS         | 205               | 8,799            | 5.0  | 440    |      |                 |       |        |               |           |
| AI STUO, 33-01 LISTED, 08-63 114 WITH HERD-MATES | 197               | 8,810            | 5.0  | 442    |      |                 | 9     | 8,776  | 425           | 8,492 422 |
| STATES- 33,35,41,47,57,71                        |                   |                  |      |        |      |                 | DIFF. | 34     | 17            |           |
| 519810 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 32,33                                    | 5                 | NDN-AI DAUGHTERS | 7    | 7,949  | 5.1  | 406             |       |        |               |           |
|  | 5                 | WITH HERD-MATES  | 7    | 7,949  | 5.1  | 406             | 10    | 8,503  | 419           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 554-   | 13-           |           |
| 519975 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 51                                       | 9                 | NDN-AI DAUGHTERS | 11   | 8,662  | 5.9  | 509             |       |        |               |           |
|  | 9                 | WITH HERD-MATES  | 11   | 8,662  | 5.9  | 509             | 9     | 9,028  | 466           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 366-   | 43            |           |
| 520055 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 52,55                                    | 8                 | NDN-AI DAUGHTERS | 10   | 8,868  | 5.0  | 442             |       |        |               |           |
|  | 8                 | WITH HERD-MATES  | 10   | 8,868  | 5.0  | 442             | 41    | 8,762  | 410           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 106    | 32            |           |
| 520089 MCDONALD FARMS LE VARDEN.....             |                   |                  |      |        |      |                 |       |        |               |           |
| 03-12-54 423199 814784 23 NDN-AI DAUGHTERS       | 42                | 8,692            | 5.0  | 437    |      |                 |       |        |               |           |
| AI STUD, 41-25 LISTED, 08-63 23 WITH HERD-MATES  | 42                | 8,692            | 5.0  | 437    |      |                 | 10    | 8,848  | 431           |           |
| STATES- 35,41,65                                 |                   |                  |      |        |      |                 | DIFF. | 156-   | 6             |           |
| 520118 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 48                                       | 5                 | NDN-AI DAUGHTERS | 5    | 9,022  | 4.9  | 441             |       |        |               |           |
|  | 5                 | WITH HERD-MATES  | 5    | 9,022  | 4.9  | 441             | 11    | 8,671  | 422           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 351    | 19            |           |
| 520151 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 91                                       | 8                 | NDN-AI DAUGHTERS | 8    | 9,389  | 4.7  | 445             |       |        |               |           |
|  | 8                 | WITH HERD-MATES  | 8    | 9,389  | 4.7  | 445             | 6     | 7,793  | 389           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 1596   | 56            |           |
| 520204 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 23                                       | 5                 | NDN-AI DAUGHTERS | 7    | 7,281  | 5.3  | 385             |       |        |               |           |
|  | 5                 | WITH HERD-MATES  | 6    | 7,485  | 5.3  | 397             | 9     | 7,070  | 346           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 415    | 51            |           |
| 520218 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 22                                       | 8                 | NDN-AI DAUGHTERS | 8    | 8,774  | 4.6  | 406             |       |        |               |           |
|  | 8                 | WITH HERD-MATES  | 8    | 8,774  | 4.6  | 406             | 6     | 8,482  | 422           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 292    | 16-           |           |
| 520228 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 21,52                                    | 5                 | NDN-AI DAUGHTERS | 6    | 9,941  | 5.0  | 494             |       |        |               |           |
|  | 5                 | WITH HERD-MATES  | 6    | 9,941  | 5.0  | 494             | 79    | 9,648  | 467           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 293    | 27            |           |
| 520368 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 48                                       | 5                 | NDN-AI DAUGHTERS | 7    | 8,400  | 4.9  | 414             |       |        |               |           |
|  | 5                 | WITH HERD-MATES  | 7    | 8,400  | 4.9  | 414             | 2     | 6,988  | 333           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 1412   | 81            |           |
| 520740 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 52                                       | 5                 | NDN-AI DAUGHTERS | 7    | 8,217  | 4.8  | 396             |       |        |               |           |
|  | 5                 | WITH HERD-MATES  | 7    | 8,217  | 4.8  | 396             | 10    | 9,346  | 452           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 1129-  | 56-           |           |
| 520943 P. 8. BUTTERFAT LAODIE.....               |                   |                  |      |        |      |                 |       |        |               |           |
| 01-17-55 473982 988689 34 AI DAUGHTERS           | 45                | 8,609            | 4.8  | 414    |      |                 |       |        |               |           |
| AI STUO, 22-01 LISTED, 08-63 33 WITH HERD-MATES  | 44                | 8,699            | 4.8  | 419    |      |                 | 20    | 9,214  | 445           | 8,111 389 |
| STATES- 22,23                                    |                   |                  |      |        |      |                 | DIFF. | 515-   | 26-           |           |
|  | 6                 | NDN-AI DAUGHTERS | 6    | 8,977  | 4.6  | 413             |       |        |               |           |
|  | 6                 | WITH HERD-MATES  | 6    | 8,977  | 4.6  | 413             | 26    | 10,095 | 475           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 1118-  | 62-           |           |
| 520981 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 23                                       | 9                 | NDN-AI DAUGHTERS | 11   | 10,140 | 4.9  | 498             |       |        |               |           |
|  | 9                 | WITH HERD-MATES  | 11   | 10,140 | 4.9  | 498             | 9     | 8,588  | 409           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 1552   | 89            |           |
| 520988 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 63,82,92                                 | 6                 | NDN-AI DAUGHTERS | 7    | 7,893  | 4.8  | 381             |       |        |               |           |
|  | 6                 | WITH HERD-MATES  | 7    | 7,893  | 4.8  | 381             | 16    | 9,523  | 447           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 1630-  | 66-           |           |
| 521150 WDDDACRES LEADER-S TRUMPETER.....         |                   |                  |      |        |      |                 |       |        |               |           |
| 04-19-55 383832 1315912 186 AI DAUGHTERS         | 318               | 9,160            | 4.7  | 430    |      |                 |       |        |               |           |
| AI STUD, 21-01 LISTED, 08-63 183 WITH HERD-MATES | 315               | 9,154            | 4.7  | 430    |      |                 | 15    | 8,983  | 423           | 8,640 413 |
| STATES- 13,16,21,22                              |                   |                  |      |        |      |                 | DIFF. | 171    | 7             |           |
| 521188 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 52,56,63                                 | 6                 | NDN-AI DAUGHTERS | 6    | 8,217  | 5.0  | 407             |       |        |               |           |
|  | 4                 | WITH HERD-MATES  | 4    | 7,508  | 4.6  | 349             | 18    | 8,435  | 400           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 927-   | 51-           |           |
| 521298 .....                                     |                   |                  |      |        |      |                 |       |        |               |           |
| STATES- 65                                       | 8                 | NDN-AI DAUGHTERS | 12   | 5,524  | 4.5  | 251             |       |        |               |           |
|  | 8                 | WITH HERD-MATES  | 11   | 5,542  | 4.6  | 253             | 12    | 5,342  | 243           |           |
|  |                   |                  |      |        |      |                 | DIFF. | 200    | 10            |           |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY   |     |        |     | AV. PRODUCTION OF DAU. | ADJ. HERO-MATES AV. | PREOICTED AV. |
|--|-----|--------|-----|------------------------|---------------------|---------------|
|  |     |        |     | RECDRDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|  |     |        |     | NUMBER LB % LB         | NUMBER LB LB        | L8 L8         |
| 521383 FAIRLAWN ACTOR-S VALIANT.....             |     |        |     |                        |                     |               |
| 03-17-55 322785 1406701 124 AI DAUGHTERS         | 171 | 9,019  | 4.8 | 437                    |                     |               |
| AI STUD, 11-01 LISTED, 08-63 108 WITH HERD-MATES | 146 | 9,118  | 4.9 | 443                    | 11                  | 9,066 436     |
| STATES- 11                                       |     |        |     |                        | DIFF. 52 7          | 8,534 414     |
| 521388 .....                                     |     |        |     |                        |                     |               |
| STATES- 58 7 NON-AI DAUGHTERS                    | 7   | 7,311  | 4.6 | 337                    |                     |               |
| 7 WITH HERD-MATES                                | 7   | 7,311  | 4.6 | 337                    | 29                  | 8,272 359     |
|  |     |        |     |                        | DIFF. 961- 22-      |               |
| 521577 BRANTVIEW BUTTERFAT MATTHEW.....          |     |        |     |                        |                     |               |
| 04-02-55 493764 1484563 12 NON-AI DAUGHTERS      | 21  | 9,525  | 4.9 | 468                    |                     |               |
| AI STUD, 12-03 LISTED, 08-63 12 WITH HERD-MATES  | 21  | 9,525  | 4.9 | 468                    | 13                  | 9,489 451     |
| STATES- 14,22                                    |     |        |     |                        | DIFF. 36 17         |               |
| 521589 .....                                     |     |        |     |                        |                     |               |
| AI STUD, 65-02 7 NON-AI DAUGHTERS                | 7   | 8,510  | 4.6 | 389                    |                     |               |
| STATES- 74 6 WITH HERD-MATES                     | 6   | 8,918  | 4.6 | 407                    | 28                  | 8,139 366     |
|  |     |        |     |                        | DIFF. 779 41        |               |
| 521653 VALLEY OAKS SHEIK-S NITRO.....            |     |        |     |                        |                     |               |
| 03-03-55 428868 907522 54 AI DAUGHTERS           | 66  | 9,806  | 4.7 | 465                    |                     |               |
| AI STUD, 92-01 LISTED, 08-63 54 WITH HERD-MATES  | 64  | 9,806  | 4.7 | 465                    | 11                  | 9,384 448     |
| STATES- 92                                       |     |        |     |                        | DIFF. 422 17        | 8,849 422     |
| 521696 .....                                     |     |        |     |                        |                     |               |
| STATES- 55 8 NON-AI DAUGHTERS                    | 9   | 8,294  | 5.1 | 424                    |                     |               |
| 8 WITH HERD-MATES                                | 9   | 8,294  | 5.1 | 424                    | 22                  | 9,118 442     |
|  |     |        |     |                        | DIFF. 824- 18-      |               |
| 521780 VALLEY OAKS HORNET-S SPARTAN.....         |     |        |     |                        |                     |               |
| 04-25-55 467419 1372616 22 AI DAUGHTERS          | 34  | 8,740  | 4.9 | 427                    |                     |               |
| AI STUD, 93-01 LISTED, 08-63 22 WITH HERD-MATES  | 34  | 8,740  | 4.9 | 427                    | 32                  | 9,188 433     |
| STATES- 71,93                                    |     |        |     |                        | DIFF. 448- 6-       | 8,192 403     |
| 1 NON-AI DAUGHTERS                               | 1   | 8,400  | 5.2 | 433                    |                     |               |
| 1 WITH HERD-MATES                                | 1   | 8,400  | 5.2 | 433                    | 11                  | 8,954 464     |
|  |     |        |     |                        | DIFF. 554- 31-      |               |
| 521886 .....                                     |     |        |     |                        |                     |               |
| STATES- 33 6 NON-AI DAUGHTERS                    | 6   | 6,920  | 5.0 | 349                    |                     |               |
| 5 WITH HERD-MATES                                | 5   | 7,166  | 5.1 | 364                    | 4                   | 8,531 408     |
|  |     |        |     |                        | DIFF. 1365- 44-     |               |
| 521906 ELMWOOD PREMIER.....                      |     |        |     |                        |                     |               |
| 04-15-55 428643 1012461 5 AI DAUGHTERS           | 5   | 9,594  | 4.7 | 450                    |                     |               |
| AI STUD, 42-02 LISTED, 08-63 5 WITH HERD-MATES   | 5   | 9,594  | 4.7 | 450                    | 7                   | 8,448 406     |
| STATES- 41,42                                    |     |        |     |                        | DIFF. 1146 44       | 8,763 418     |
| 22 NON-AI DAUGHTERS                              | 34  | 8,909  | 4.7 | 423                    |                     |               |
| 22 WITH HERD-MATES                               | 34  | 8,909  | 4.7 | 423                    | 10                  | 9,610 460     |
|  |     |        |     |                        | DIFF. 701- 37-      |               |
| 522095 .....                                     |     |        |     |                        |                     |               |
| STATES- 14 5 NON-AI DAUGHTERS                    | 6   | 9,474  | 4.7 | 449                    |                     |               |
| 5 WITH HERD-MATES                                | 6   | 9,474  | 4.7 | 449                    | 9                   | 9,570 471     |
|  |     |        |     |                        | DIFF. 96- 22-       |               |
| 522278 .....                                     |     |        |     |                        |                     |               |
| STATES- 52 10 NON-AI DAUGHTERS                   | 10  | 7,345  | 5.2 | 381                    |                     |               |
| 10 WITH HERD-MATES                               | 10  | 7,345  | 5.2 | 381                    | 4                   | 7,714 372     |
|  |     |        |     |                        | DIFF. 369- 9        |               |
| 522338 .....                                     |     |        |     |                        |                     |               |
| AI STUD, 91-01 6 NON-AI DAUGHTERS                | 6   | 8,267  | 5.1 | 419                    |                     |               |
| STATES- 87,91 6 WITH HERD-MATES                  | 6   | 8,267  | 5.1 | 419                    | 9                   | 9,183 438     |
|  |     |        |     |                        | DIFF. 916- 19-      |               |
| 522345 BURTON LANE STEADFAST BRIAN.....          |     |        |     |                        |                     |               |
| 03-17-55 357051 941659 25 AI DAUGHTERS           | 38  | 7,893  | 5.0 | 391                    |                     |               |
| AI STUD, 33-01 LISTED, 08-63 25 WITH HERD-MATES  | 38  | 7,893  | 5.0 | 391                    | 9                   | 8,371 403     |
| STATES- 33,35                                    |     |        |     |                        | DIFF. 478- 12-      | 8,106 397     |
| 522481 .....                                     |     |        |     |                        |                     |               |
| AI STUD, 63-01 5 AI DAUGHTERS                    | 6   | 7,468  | 4.9 | 366                    |                     |               |
| STATES- 63 4 WITH HERD-MATES                     | 4   | 7,925  | 4.9 | 390                    | 16                  | 9,138 441     |
|  |     |        |     |                        | DIFF. 1213- 51-     | 8,144 393     |
| 522682 WESTERN GLD BUTTERFAT MASTER.....         |     |        |     |                        |                     |               |
| 07-28-55 511205 1368765 46 AI DAUGHTERS          | 73  | 8,262  | 5.0 | 413                    |                     |               |
| AI STUD, 35-05 LISTED, 08-63 46 WITH HERD-MATES  | 73  | 8,262  | 5.0 | 413                    | 11                  | 8,826 420     |
| STATES- 22,35,41,91,92                           |     |        |     |                        | DIFF. 564- 7-       | 8,016 400     |
| 15 NON-AI DAUGHTERS                              | 26  | 8,902  | 5.0 | 444                    |                     |               |
| 15 WITH HERD-MATES                               | 26  | 8,902  | 5.0 | 444                    | 15                  | 9,326 448     |
|  |     |        |     |                        | DIFF. 424- 4-       |               |
| 522908 IDEAL-S PATTY-S SUPERIDR.....             |     |        |     |                        |                     |               |
| 06-22-55 448080 1302126 26 NON-AI DAUGHTERS      | 34  | 11,174 | 5.1 | 572                    |                     |               |
| AI STUD, 23-08 LISTED, 08-63 26 WITH HERD-MATES  | 34  | 11,174 | 5.1 | 572                    | 16                  | 10,737 543    |
| STATES- 23,52                                    |     |        |     |                        | DIFF. 437 29        |               |
| 523024 .....                                     |     |        |     |                        |                     |               |
| STATES- 11,52 5 NON-AI DAUGHTERS                 | 5   | 7,874  | 4.7 | 369                    |                     |               |
| 5 WITH HERD-MATES                                | 5   | 7,874  | 4.7 | 369                    | 10                  | 8,514 404     |
|  |     |        |     |                        | DIFF. 640- 35-      |               |
| 523029 OLD HOMESTEAD HIGH-AND-MIGHTY.....        |     |        |     |                        |                     |               |
| 07-14-55 298216 1075438 74 AI DAUGHTERS          | 94  | 10,098 | 4.7 | 477                    |                     |               |
| AI STUD, 11-01 LISTED, 08-63 70 WITH HERD-MATES  | 88  | 10,170 | 4.7 | 480                    | 12                  | 9,344 450     |
| STATES- 11,12,13                                 |     |        |     |                        | DIFF. 826 30        | 9,209 434     |
| 523124 .....                                     |     |        |     |                        |                     |               |
| AI STUD, 41-25 4 AI DAUGHTERS                    | 4   | 8,720  | 4.8 | 419                    |                     |               |
| STATES- 43,48 4 WITH HERD-MATES                  | 4   | 8,720  | 4.8 | 419                    | 4                   | 8,662 409     |
|  |     |        |     |                        | DIFF. 58 10         | 8,450 408     |
| 1 NON-AI DAUGHTERS                               | 2   | 9,975  | 4.9 | 486                    |                     |               |
| 1 WITH HERD-MATES                                | 2   | 9,975  | 4.9 | 486                    | 7                   | 7,651 374     |
|  |     |        |     |                        | DIFF. 2324 112      |               |

## SIRE OF DHIA DAUGHTERS

| SIRES OF DAUGHTERS                              |  |  |  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB FAT LB |     |  |
|---|--|--|--|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|------------------------------|-----|--|
| GUERNSEY  |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 523127 FRANCHESTER FAVORITE-S WINDSOR.....      |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 07-01-55 507763 664860 18 NON-AI DAUGHTERS      |  |  |  | 36          | 10,474                | 4.8    | 506         |                 |                    |            |                              |     |  |
| AI STUD, 35-75 LISTED, 08-63 18 WITH HERD-MATES |  |  |  | 36          | 10,474                | 4.8    | 506         | 11              | 10,325             | 519        |                              |     |  |
| STATES- 34                                      |  |  |  |             |                       |        |             | DIFF.           | 149                | 13-        |                              |     |  |
| 523218 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 6 NON-AI DAUGHTERS                              |  |  |  | 7           | 9,194                 | 4.9    | 452         |                 |                    |            |                              |     |  |
| STATES- 32, 33, 42 6 WITH HERD-MATES            |  |  |  | 7           | 9,194                 | 4.9    | 452         | 17              | 9,775              | 477        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 581-               | 25-        |                              |     |  |
| 523298 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 5 NON-AI DAUGHTERS                              |  |  |  | 6           | 7,849                 | 4.6    | 361         |                 |                    |            |                              |     |  |
| STATES- 23 5 WITH HERD-MATES                    |  |  |  | 6           | 7,849                 | 4.6    | 361         | 13              | 8,045              | 363        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 196-               | 2-         |                              |     |  |
| 523302 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 5 NON-AI DAUGHTERS                              |  |  |  | 5           | 8,320                 | 5.0    | 416         |                 |                    |            |                              |     |  |
| STATES- 52, 55 5 WITH HERD-MATES                |  |  |  | 5           | 8,320                 | 5.0    | 416         | 31              | 8,333              | 399        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 13-                | 17         |                              |     |  |
| 523408 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 7 NON-AI DAUGHTERS                              |  |  |  | 7           | 8,101                 | 4.2    | 338         |                 |                    |            |                              |     |  |
| STATES- 32 6 WITH HERD-MATES                    |  |  |  | 6           | 8,617                 | 4.2    | 365         | 14              | 8,212              | 359        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 405                | 6          |                              |     |  |
| 523716 CASTLE BROOK VELOURS LEADER.....         |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 11-15-55 502634 1148415 27 AI DAUGHTERS         |  |  |  | 43          | 9,035                 | 4.6    | 419         |                 |                    |            |                              |     |  |
| AI STUD, 65-02 LISTED, 08-63 23 WITH HERD-MATES |  |  |  | 38          | 9,064                 | 4.7    | 425         | 18              | 9,036              | 433        | 8,488                        | 402 |  |
| STATES- 65                                      |  |  |  |             |                       |        |             | DIFF.           | 28                 | 8-         |                              |     |  |
| 523729 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 1 AI DAUGHTERS                                  |  |  |  | 1           | 10,420                | 4.5    | 474         |                 |                    |            |                              |     |  |
| AI STUD, 35-04 1 WITH HERD-MATES                |  |  |  | 1           | 10,420                | 4.5    | 474         | 4               | 9,424              | 447        | 8,507                        | 407 |  |
| STATES- 35                                      |  |  |  |             |                       |        |             | DIFF.           | 996                | 27         |                              |     |  |
| 4 NON-AI DAUGHTERS                              |  |  |  | 4           | 8,520                 | 5.5    | 467         |                 |                    |            |                              |     |  |
| 4 WITH HERD-MATES                               |  |  |  | 4           | 8,520                 | 5.5    | 467         | 4               | 9,097              | 438        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 577-               | 29         |                              |     |  |
| 523776 WILGORLAN FARMS PEERLESS LAD.....        |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 11-03-55 359623 858565 35 AI DAUGHTERS          |  |  |  | 49          | 8,300                 | 4.8    | 396         |                 |                    |            |                              |     |  |
| AI STUD, 21-01 LISTED, 08-63 34 WITH HERD-MATES |  |  |  | 47          | 8,356                 | 4.8    | 400         | 16              | 9,114              | 433        | 7,926                        | 383 |  |
| STATES- 13, 21, 23, 58                          |  |  |  |             |                       |        |             | DIFF.           | 758-               | 33-        |                              |     |  |
| 3 NON-AI DAUGHTERS                              |  |  |  | 4           | 8,772                 | 4.9    | 434         |                 |                    |            |                              |     |  |
| 3 WITH HERD-MATES                               |  |  |  | 4           | 8,772                 | 4.9    | 434         | 10              | 9,341              | 437        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 569-               | 3-         |                              |     |  |
| 523858 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 5 NON-AI DAUGHTERS                              |  |  |  | 5           | 8,472                 | 4.8    | 409         |                 |                    |            |                              |     |  |
| STATES- 43, 73, 84 5 WITH HERD-MATES            |  |  |  | 5           | 8,472                 | 4.8    | 409         | 39              | 8,763              | 417        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 291-               | 8-         |                              |     |  |
| 523946 VALLEY SET F EARL.....                   |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 04-04-55 481365 941067 18 NON-AI DAUGHTERS      |  |  |  | 38          | 9,963                 | 5.0    | 502         |                 |                    |            |                              |     |  |
| AI STUD, 42-02 LISTED, 08-63 18 WITH HERD-MATES |  |  |  | 38          | 9,963                 | 5.0    | 502         | 7               | 9,408              | 462        |                              |     |  |
| STATES- 33, 42                                  |  |  |  |             |                       |        |             | DIFF.           | 555                | 40         |                              |     |  |
| 523987 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 6 NON-AI DAUGHTERS                              |  |  |  | 6           | 8,283                 | 4.8    | 400         |                 |                    |            |                              |     |  |
| STATES- 22, 58 6 WITH HERD-MATES                |  |  |  | 6           | 8,283                 | 4.8    | 400         | 53              | 9,413              | 472        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 1130-              | 72-        |                              |     |  |
| 524013 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 6 NON-AI DAUGHTERS                              |  |  |  | 7           | 8,532                 | 5.0    | 426         |                 |                    |            |                              |     |  |
| STATES- 21 6 WITH HERD-MATES                    |  |  |  | 7           | 8,532                 | 5.0    | 426         | 4               | 8,654              | 405        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 122-               | 21         |                              |     |  |
| 524098 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 7 NON-AI DAUGHTERS                              |  |  |  | 7           | 7,771                 | 4.7    | 367         |                 |                    |            |                              |     |  |
| STATES- 43, 72, 73 7 WITH HERD-MATES            |  |  |  | 7           | 7,771                 | 4.7    | 367         | 8               | 8,022              | 387        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 251-               | 20-        |                              |     |  |
| 524175 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 13 NON-AI DAUGHTERS                             |  |  |  | 14          | 8,512                 | 5.0    | 428         |                 |                    |            |                              |     |  |
| STATES- 55 13 WITH HERD-MATES                   |  |  |  | 14          | 8,512                 | 5.0    | 428         | 9               | 7,412              | 353        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 1100               | 75         |                              |     |  |
| 524223 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 6 NON-AI DAUGHTERS                              |  |  |  | 7           | 8,231                 | 4.7    | 389         |                 |                    |            |                              |     |  |
| STATES- 32 6 WITH HERD-MATES                    |  |  |  | 7           | 8,231                 | 4.7    | 389         | 14              | 7,829              | 386        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 402                | 3          |                              |     |  |
| 524347 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 9 NON-AI DAUGHTERS                              |  |  |  | 9           | 9,157                 | 4.8    | 441         |                 |                    |            |                              |     |  |
| STATES- 93 9 WITH HERD-MATES                    |  |  |  | 9           | 9,157                 | 4.8    | 441         | 44              | 10,265             | 492        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 1108-              | 51-        |                              |     |  |
| 524348 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 5 NON-AI DAUGHTERS                              |  |  |  | 5           | 10,514                | 5.0    | 530         |                 |                    |            |                              |     |  |
| STATES- 93 5 WITH HERD-MATES                    |  |  |  | 5           | 10,514                | 5.0    | 530         | 39              | 10,433             | 500        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 81                 | 30         |                              |     |  |
| 524393 SUNESLOPE-S EMDRY-S ELITSON.....         |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 08-18-55 477597 1310111 42 NON-AI DAUGHTERS     |  |  |  | 68          | 9,790                 | 5.4    | 529         |                 |                    |            |                              |     |  |
| AI STUD, 35-05 LISTED, 08-63 41 WITH HERD-MATES |  |  |  | 67          | 9,847                 | 5.4    | 536         | 10              | 9,352              | 463        |                              |     |  |
| STATES- 35, 42                                  |  |  |  |             |                       |        |             | DIFF.           | 495                | 73         |                              |     |  |
| 524502 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 5 NON-AI DAUGHTERS                              |  |  |  | 6           | 8,193                 | 5.7    | 466         |                 |                    |            |                              |     |  |
| STATES- 35 5 WITH HERD-MATES                    |  |  |  | 6           | 8,193                 | 5.7    | 466         | 16              | 8,601              | 453        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 408-               | 13         |                              |     |  |
| 524517 .....                                    |  |  |  |             |                       |        |             |                 |                    |            |                              |     |  |
| 7 NON-AI DAUGHTERS                              |  |  |  | 8           | 6,315                 | 4.8    | 303         |                 |                    |            |                              |     |  |
| STATES- 55, 56, 58 7 WITH HERD-MATES            |  |  |  | 8           | 6,315                 | 4.8    | 303         | 29              | 7,088              | 322        |                              |     |  |
|   |  |  |  |             |                       |        |             | DIFF.           | 773-               | 19-        |                              |     |  |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY                     |                                    |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. |         |     | PREDICTED AV. |
|------------------------------|------------------------------------|-----|------------------------|---------------------|---------|-----|---------------|
|                              |                                    |     | RECORDS MILK TEST FAT  | AV. MILK LBS        | FAT LBS |     | MILK FAT      |
|                              |                                    |     | NUMBER LBS % LBS       | NUMBER LBS          | LBS     |     | LBS LBS       |
| 524578                       | .....                              |     |                        |                     |         |     |               |
| STATES- 52                   | 6 NDN-AI DAUGHTERS                 | 6   | 8,785 5.0 437          | 26                  | 7,949   | 405 |               |
|                              | 6 WITH HERD-MATES                  | 6   | 8,785 5.0 437          | DIFF.               | 836     | 32  |               |
| 524632                       | .....                              |     |                        |                     |         |     |               |
| STATES- 21                   | 5 NDN-AI DAUGHTERS                 | 5   | 9,912 4.9 486          | 8                   | 9,287   | 450 |               |
|                              | 5 WITH HERD-MATES                  | 5   | 9,912 4.9 486          | DIFF.               | 625     | 36  |               |
| 524759                       | NORTHERN ADMIRAL-S KIP.....        |     |                        |                     |         |     |               |
| 01-31-56                     | 452274 1585978 7 NDN-AI DAUGHTERS  | 8   | 12,321 5.0 611         |                     |         |     |               |
| AI STUD, 35-75 LISTED, 08-63 | 7 WITH HERD-MATES                  | 8   | 12,321 5.0 611         | 11                  | 12,216  | 594 |               |
| STATES- 11,12,31             |                                    |     |                        | DIFF.               | 105     | 17  |               |
| 524813                       | .....                              |     |                        |                     |         |     |               |
| STATES- 41                   | 5 NDN-AI DAUGHTERS                 | 6   | 9,705 4.6 448          | 12                  | 7,941   | 403 |               |
|                              | 5 WITH HERD-MATES                  | 6   | 9,705 4.6 448          | DIFF.               | 1764    | 45  |               |
| 524871                       | .....                              |     |                        |                     |         |     |               |
| STATES- 31                   | 5 NDN-AI DAUGHTERS                 | 5   | 9,114 4.4 403          | 8                   | 7,730   | 347 |               |
|                              | 5 WITH HERD-MATES                  | 5   | 9,114 4.4 403          | DIFF.               | 1384    | 56  |               |
| 524993                       | MCDONALD FARMS JOLLY VERN.....     |     |                        |                     |         |     |               |
| 11-22-54                     | 439587 1609529 42 NDN-AI DAUGHTERS | 72  | 9,365 5.4 508          |                     |         |     |               |
| AI STUD, 33-03 LISTED, 08-63 | 41 WITH HERD-MATES                 | 70  | 9,430 5.4 512          | 12                  | 9,738   | 489 |               |
| STATES- 22,23,51             |                                    |     |                        | DIFF.               | 308-    | 23  |               |
| 525063                       | .....                              |     |                        |                     |         |     |               |
| STATES- 12,13                | 7 NDN-AI DAUGHTERS                 | 10  | 9,369 5.0 465          | 11                  | 9,344   | 473 |               |
|                              | 7 WITH HERD-MATES                  | 10  | 9,369 5.0 465          | DIFF.               | 25      | 8-  |               |
| 525074                       | EL MDDRE FARM PRE KENT.....        |     |                        |                     |         |     |               |
| 02-15-56                     | 398391 1385537 81 AI DAUGHTERS     | 113 | 9,148 4.9 448          |                     |         |     |               |
| AI STUD, 21-01 LISTED, 08-63 | 78 WITH HERD-MATES                 | 109 | 9,112 4.9 448          | 14                  | 8,793   | 416 | 8,735 433     |
| STATES- 13,21,51             |                                    |     |                        | DIFF.               | 319     | 32  |               |
|                              | 1 NDN-AI DAUGHTERS                 | 1   | 7,060 5.5 385          |                     |         |     |               |
|                              | 1 WITH HERD-MATES                  | 1   | 7,060 5.5 385          | 5                   | 7,791   | 382 |               |
|                              |                                    |     |                        | DIFF.               | 731-    | 3   |               |
| 525096                       | .....                              |     |                        |                     |         |     |               |
| STATES- 23                   | 9 NDN-AI DAUGHTERS                 | 10  | 10,507 5.1 534         | 17                  | 10,562  | 497 |               |
|                              | 9 WITH HERD-MATES                  | 10  | 10,507 5.1 534         | DIFF.               | 55-     | 37  |               |
| 525269                       | RDSEWDD D SQUIRE.....              |     |                        |                     |         |     |               |
| 01-05-56                     | 501085 1460942 10 NDN-AI DAUGHTERS | 16  | 11,291 5.1 579         |                     |         |     |               |
| AI STUD, 33-02               | 10 WITH HERD-MATES                 | 16  | 11,291 5.1 579         | 24                  | 11,355  | 590 |               |
| STATES- 33                   |                                    |     |                        | DIFF.               | 64-     | 11- |               |
| 525288                       | .....                              |     |                        |                     |         |     |               |
| STATES- 54,55,57             | 6 NDN-AI DAUGHTERS                 | 8   | 8,231 5.0 412          |                     |         |     |               |
|                              | 6 WITH HERD-MATES                  | 8   | 8,231 5.0 412          | 17                  | 7,949   | 381 |               |
|                              |                                    |     |                        | DIFF.               | 282     | 31  |               |
| 525327                       | DEEP LAKE FLASHY.....              |     |                        |                     |         |     |               |
| 02-28-56                     | 475548 1209024 12 AI DAUGHTERS     | 12  | 9,590 5.0 475          |                     |         |     |               |
| AI STUD, 31-01 LISTED, 08-63 | 11 WITH HERD-MATES                 | 11  | 9,524 5.0 473          | 12                  | 9,033   | 428 | 8,689 427     |
| STATES- 16,21,23,31          |                                    |     |                        | DIFF.               | 491     | 45  |               |
|                              | 5 NDN-AI DAUGHTERS                 | 7   | 10,672 5.0 535         |                     |         |     |               |
|                              | 5 WITH HERD-MATES                  | 7   | 10,672 5.0 535         | 25                  | 10,117  | 509 |               |
|                              |                                    |     |                        | DIFF.               | 555     | 26  |               |
| 525378                       | .....                              |     |                        |                     |         |     |               |
| STATES- 92                   | 5 NDN-AI DAUGHTERS                 | 6   | 9,249 5.0 458          | 15                  | 9,097   | 457 |               |
|                              | 5 WITH HERD-MATES                  | 6   | 9,249 5.0 458          | DIFF.               | 152     | 1   |               |
| 525381                       | HDMINY HILL IMPERIAL.....          |     |                        |                     |         |     |               |
| 02-04-56                     | 422711 1505185 26 NDN-AI DAUGHTERS | 36  | 11,535 4.5 523         |                     |         |     |               |
| AI STUD, 23-08 LISTED, 08-63 | 26 WITH HERD-MATES                 | 36  | 11,535 4.5 523         | 18                  | 10,172  | 490 |               |
| STATES- 23                   |                                    |     |                        | DIFF.               | 1363    | 33  |               |
| 525396                       | MULHOCWAY ERDS BUTTERFAT.....      |     |                        |                     |         |     |               |
| 05-28-55                     | 415353 873842 114 AI DAUGHTERS     | 220 | 8,833 4.8 428          |                     |         |     |               |
| AI STUD, 23-05 LISTED, 08-63 | 113 WITH HERD-MATES                | 213 | 8,782 4.9 426          | 13                  | 8,785   | 417 | 8,459 414     |
| STATES- 22,23,31,55          |                                    |     |                        | DIFF.               | 3-      | 9   |               |
|                              | 2 NDN-AI DAUGHTERS                 | 4   | 7,170 5.2 373          |                     |         |     |               |
|                              | 2 WITH HERD-MATES                  | 2   | 7,775 5.3 411          | 5                   | 8,446   | 392 |               |
|                              |                                    |     |                        | DIFF.               | 671-    | 19  |               |
| 525428                       | .....                              |     |                        |                     |         |     |               |
| STATES- 16                   | 5 NDN-AI DAUGHTERS                 | 6   | 10,090 4.5 457         | 31                  | 8,622   | 422 |               |
|                              | 5 WITH HERD-MATES                  | 5   | 10,202 4.6 465         | DIFF.               | 1580    | 43  |               |
| 525445                       | .....                              |     |                        |                     |         |     |               |
| STATES- 52                   | 7 NDN-AI DAUGHTERS                 | 8   | 8,646 4.7 408          |                     |         |     |               |
|                              | 7 WITH HERD-MATES                  | 8   | 8,646 4.7 408          | 5                   | 8,125   | 368 |               |
|                              |                                    |     |                        | DIFF.               | 521     | 40  |               |
| 525493                       | .....                              |     |                        |                     |         |     |               |
| STATES- 58,64                | 6 NDN-AI DAUGHTERS                 | 8   | 8,034 4.9 392          | 64                  | 6,910   | 308 |               |
|                              | 6 WITH HERD-MATES                  | 8   | 8,034 4.9 392          | DIFF.               | 1124    | 84  |               |
| 525524                       | .....                              |     |                        |                     |         |     |               |
| STATES- 51                   | 5 NDN-AI DAUGHTERS                 | 9   | 11,197 4.9 544         | 22                  | 11,173  | 542 |               |
|                              | 5 WITH HERD-MATES                  | 9   | 11,197 4.9 544         | DIFF.               | 24      | 2   |               |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREICTED AV. |
|---|------------------------|---------------------|------------------|
| RECORDS MILK TEST FAT NUMBER LB % LB L8 MILK L8 FAT L8 MILK L8 FAT L8 |                        |                     |                  |
| 525620 .....  |                        |                     |                  |
| STATES- 51  | 5 NON-AI DAUGHTERS     | 23 DIFF.            | 353 15           |
|   | 4 WITH HERD-MATES      |                     |                  |
| 525848 NORMANDY PERFECTION.....                                       |                        |                     |                  |
| 11-30-55 511379 1451344 13 NON-AI DAUGHTERS                           | 14 9,448 4.5 429       |                     |                  |
| AI STUD, 42-02 LISTED, 08-63 12 WITH HERD-MATES                       | 13 9,476 4.5 430       | 11 DIFF.            | 401 29           |
| STATES- 33,35   |                        |                     |                  |
| 525910 CLA-DRE BDNANZA-S JASON.....                                   |                        |                     |                  |
| 11-30-55 470508 1323961 19 NON-AI DAUGHTERS                           | 26 10,312 5.7 584      |                     |                  |
| AI STUD, 35-75 LISTED, 08-63 19 WITH HERD-MATES                       | 26 10,312 5.7 584      | 18 DIFF.            | 549 35           |
| STATES- 63,92   |                        |                     |                  |
| 525969 BETHANY WISTAR-S H. HDNR.....                                  |                        |                     |                  |
| 12-13-55 416480 837157 76 AI DAUGHTERS                                | 91 9,454 4.9 462       |                     |                  |
| AI STUD, 23-04 LISTED, 08-63 73 WITH HERD-MATES                       | 86 9,512 4.9 465       | 16 DIFF.            | 458 7            |
| STATES- 23,52   |                        |                     | 8,728 415        |
|   | 2 NON-AI DAUGHTERS     |                     |                  |
|   | 2 WITH HERD-MATES      | 13 DIFF.            | 457 9-           |
| 526027 HILLCREST TRUMP.....   |                        |                     |                  |
| 12-20-55 507751 1220074 54 AI DAUGHTERS                               | 82 8,116 5.0 402       |                     |                  |
| AI STUD, 23-02 LISTED, 08-63 47 WITH HERD-MATES                       | 75 8,270 5.0 410       | 8 DIFF.             | 405 5            |
| STATES- 23  |                        |                     | 8,133 409        |
| 526058 .....  |                        |                     |                  |
| STATES- 92  | 5 NON-AI DAUGHTERS     | 19 DIFF.            | 446 7            |
|   | 5 WITH HERD-MATES      |                     |                  |
| 526066 .....  |                        |                     |                  |
| STATES- 55  | 11 NON-AI DAUGHTERS    | 41 DIFF.            | 394 34           |
|   | 11 WITH HERD-MATES     |                     |                  |
| 526069 .....  |                        |                     |                  |
| STATES- 52,56   | 5 NON-AI DAUGHTERS     | 38 DIFF.            | 372 38           |
|   | 5 WITH HERD-MATES      |                     |                  |
| 526071 .....  |                        |                     |                  |
| STATES- 55  | 5 NON-AI DAUGHTERS     | 58 DIFF.            | 416 22-          |
|   | 5 WITH HERD-MATES      |                     |                  |
| 526134 DENNIS FARM FORE JULIUS.....                                   |                        |                     |                  |
| 10-28-55 449173 1283142 20 NON-AI DAUGHTERS                           | 39 10,488 5.0 528      |                     |                  |
| AI STUD, 35-02 LISTED, 08-63 20 WITH HERD-MATES                       | 38 10,557 5.0 532      | 5 DIFF.             | 467 65           |
| STATES- 33  |                        |                     |                  |
| 526143 ARGILLA ARCHER-S ART.....                                      |                        |                     |                  |
| 02-04-56 337117 1255597 63 AI DAUGHTERS                               | 93 8,576 4.9 420       |                     |                  |
| AI STUD, 16-04 LISTED, 08-63 61 WITH HERD-MATES                       | 89 8,581 4.9 420       | 12 DIFF.            | 423 3-           |
| STATES- 13,14,16  |                        |                     | 8,242 404        |
| 526154 .....  |                        |                     |                  |
| STATES- 23  | 9 NON-AI DAUGHTERS     | 20 DIFF.            | 386 29-          |
|   | 9 WITH HERD-MATES      |                     |                  |
| 526220 .....  |                        |                     |                  |
| STATES- 52  | 6 NON-AI DAUGHTERS     | 16 DIFF.            | 380 33-          |
|   | 6 WITH HERD-MATES      |                     |                  |
| 526294 NYALA MAJESTY-S ACME.....                                      |                        |                     |                  |
| 12-24-55 332819 1352408 117 AI DAUGHTERS                              | 155 9,906 4.7 465      |                     |                  |
| AI STUD, 16-04 LISTED, 08-63 113 WITH HERD-MATES                      | 149 9,924 4.7 466      | 13 DIFF.            | 451 15           |
| STATES- 13,14,16,23   |                        |                     | 9,063 423        |
| 526323 CHEOCO PEERLESS.....   |                        |                     |                  |
| 03-09-56 322785 1398610 28 NON-AI DAUGHTERS                           | 40 10,911 4.7 512      |                     |                  |
| AI STUD, 35-02 LISTED, 08-63 28 WITH HERD-MATES                       | 40 10,911 4.7 512      | 5 DIFF.             | 489 23           |
| STATES- 35  |                        |                     |                  |
| 526409 .....  |                        |                     |                  |
| STATES- 32  | 5 NON-AI DAUGHTERS     | 15 DIFF.            | 377 80           |
|   | 5 WITH HERD-MATES      |                     |                  |
| 526508 ARGILLA LEVITY BARDN.....                                      |                        |                     |                  |
| 09-20-55 385485 1359099 54 AI DAUGHTERS                               | 68 9,135 4.8 440       |                     |                  |
| AI STUD, 11-01 LISTED, 08-63 53 WITH HERD-MATES                       | 64 9,144 4.8 442       | 11 DIFF.            | 446 4-           |
| STATES- 11  |                        |                     | 8,424 405        |
| 526570 .....  |                        |                     |                  |
| STATES- 12,13,14  | 11 NON-AI DAUGHTERS    | 6 DIFF.             | 471 13-          |
|   | 10 WITH HERD-MATES     |                     |                  |
| 526592 IDEAL-S TILDA-S SUPERIOR.....                                  |                        |                     |                  |
| 09-23-55 448080 950446 33 NON-AI DAUGHTERS                            | 43 9,341 5.1 472       |                     |                  |
| AI STUD, 35-75 LISTED, 08-63 32 WITH HERD-MATES                       | 42 9,350 5.1 475       | 25 DIFF.            | 448 27           |
| STATES- 23,51,52  |                        |                     |                  |
| 526692 VALLEY OAKS HORNET-S IDEAL.....                                |                        |                     |                  |
| 10-29-55 467419 1372613 19 NON-AI DAUGHTERS                           | 30 11,366 5.0 567      |                     |                  |
| AI STUD, 93-01 LISTED, 08-63 19 WITH HERD-MATES                       | 30 11,366 5.0 567      | 72 DIFF.            | 560 7            |
| STATES- 43  |                        |                     |                  |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY  | AV. PRODUCTION OF |        |      |     | OAU. | AOJ. HERD-MATES AV. |        |      | PREDICTED AV. |     |
|---|-------------------|--------|------|-----|------|---------------------|--------|------|---------------|-----|
|   | RECORDS           | MILK   | TEST | FAT |      | AV.                 | MILK   | FAT  | MILK          | FAT |
|   | NUMBER            | LB     | %    | LB  |      | NUMBER              | LB     | LB   | LB            | LB  |
| 526747 YELLOW CREEK S HANDY MAN.....            |                   |        |      |     |      |                     |        |      |               |     |
| 12-12-55 475595 1222895 19 NON-AI DAUGHTERS     | 30                | 9,576  | 5.1  | 488 |      |                     |        |      |               |     |
| AI STUD, 51-02 LISTED, 08-63 19 WITH HERD-MATES | 30                | 9,576  | 5.1  | 488 |      | 13                  | 10,156 | 508  |               |     |
| STATES- 32,34                                   |                   |        |      |     |      | DIFF.               | 580-   | 20-  |               |     |
| 526809 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 8 NON-AI DAUGHTERS                              | 10                | 9,871  | 4.9  | 483 |      |                     |        |      |               |     |
| STATES- 43 8 WITH HERD-MATES                    | 10                | 9,871  | 4.9  | 483 |      | 5                   | 9,541  | 451  |               |     |
|   |                   |        |      |     |      | DIFF.               | 330    | 32   |               |     |
| 526870 McDONALD FARMS ROYAL ZEBO.....           |                   |        |      |     |      |                     |        |      |               |     |
| 02-09-56 470604 1425630 23 NON-AI DAUGHTERS     | 33                | 10,942 | 4.9  | 537 |      |                     |        |      |               |     |
| AI STUD, 35-02 LISTED, 08-63 23 WITH HERD-MATES | 33                | 10,942 | 4.9  | 537 |      | 10                  | 10,269 | 499  |               |     |
| STATES- 31                                      |                   |        |      |     |      | DIFF.               | 673    | 38   |               |     |
| 526968 LYRENE MAY ROSE KING.....                |                   |        |      |     |      |                     |        |      |               |     |
| 07-05-54 456568 713744 9 NON-AI DAUGHTERS       | 13                | 11,170 | 4.6  | 511 |      |                     |        |      |               |     |
| AI STUD, 61-01 LISTED, 08-63 9 WITH HERD-MATES  | 13                | 11,170 | 4.6  | 511 |      | 15                  | 10,984 | 510  |               |     |
| STATES- 34                                      |                   |        |      |     |      | DIFF.               | 186    | 1    |               |     |
| 526989 GOLDEN HARVEST KING-S BONDWICK.....      |                   |        |      |     |      |                     |        |      |               |     |
| 04-01-56 407921 1090594 9 NON-AI DAUGHTERS      | 11                | 10,016 | 5.4  | 540 |      |                     |        |      |               |     |
| AI STUD, 93-03 LISTED, 08-63 9 WITH HERD-MATES  | 11                | 10,016 | 5.4  | 540 |      | 39                  | 9,039  | 458  |               |     |
| STATES- 33                                      |                   |        |      |     |      | DIFF.               | 977    | 82   |               |     |
| 527002 CHEOCO PHILOSOPHER.....                  |                   |        |      |     |      |                     |        |      |               |     |
| 05-15-56 501368 1195918 60 AI DAUGHTERS         | 83                | 8,820  | 4.8  | 421 |      |                     |        |      |               |     |
| AI STUD, 31-02 LISTED, 08-63 60 WITH HERD-MATES | 83                | 8,820  | 4.8  | 421 |      | 15                  | 9,007  | 428  | 8,323         | 401 |
| STATES- 23,31,32,55,56,64,85                    |                   |        |      |     |      | DIFF.               | 187-   | 7-   |               |     |
| 527390 HERMITAGE VIEW S. ALLEN.....             |                   |        |      |     |      |                     |        |      |               |     |
| 12-23-55 411316 761246 11 AI DAUGHTERS          | 14                | 7,263  | 5.1  | 369 |      |                     |        |      |               |     |
| AI STUD, 48-01 LISTED, 08-63 11 WITH HERD-MATES | 14                | 7,263  | 5.1  | 369 |      | 11                  | 8,613  | 430  | 7,804         | 377 |
| STATES- 48                                      |                   |        |      |     |      | DIFF.               | 1350-  | 61-  |               |     |
| 1 NON-AI DAUGHTERS                              | 1                 | 6,100  | 5.2  | 316 |      |                     |        |      |               |     |
| 1 WITH HERD-MATES                               | 1                 | 6,100  | 5.2  | 316 |      | 1                   | 10,530 | 464  |               |     |
|   |                   |        |      |     |      | DIFF.               | 4430-  | 148- |               |     |
| 527398 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 6 NON-AI DAUGHTERS                              | 6                 | 8,358  | 4.7  | 389 |      |                     |        |      |               |     |
| STATES- 31,51 6 WITH HERD-MATES                 | 6                 | 8,358  | 4.7  | 389 |      | 7                   | 10,075 | 453  |               |     |
|   |                   |        |      |     |      | DIFF.               | 1717-  | 64-  |               |     |
| 527400 LUZY NOOK-S V LADDIE.....                |                   |        |      |     |      |                     |        |      |               |     |
| 01-03-56 490721 1550673 15 NON-AI DAUGHTERS     | 23                | 8,518  | 5.0  | 422 |      |                     |        |      |               |     |
| AI STUD, 35-04 LISTED, 08-63 15 WITH HERD-MATES | 23                | 8,518  | 5.0  | 422 |      | 8                   | 9,086  | 430  |               |     |
| STATES- 35,58                                   |                   |        |      |     |      | DIFF.               | 568-   | 8-   |               |     |
| 527408 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 6                 | 8,763  | 5.4  | 473 |      |                     |        |      |               |     |
| STATES- 23,51 5 WITH HERD-MATES                 | 6                 | 8,763  | 5.4  | 473 |      | 14                  | 8,717  | 423  |               |     |
|   |                   |        |      |     |      | DIFF.               | 46     | 50   |               |     |
| 527412 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 8 NON-AI DAUGHTERS                              | 9                 | 8,638  | 4.9  | 419 |      |                     |        |      |               |     |
| STATES- 22,23 8 WITH HERD-MATES                 | 9                 | 8,638  | 4.9  | 419 |      | 19                  | 9,590  | 484  |               |     |
|   |                   |        |      |     |      | DIFF.               | 952-   | 65-  |               |     |
| 527413 MULHOCWAY B MAGISTRATE.....              |                   |        |      |     |      |                     |        |      |               |     |
| 01-16-56 493764 1466585 20 NON-AI DAUGHTERS     | 29                | 9,574  | 5.1  | 490 |      |                     |        |      |               |     |
| AI STUD, 41-01 LISTED, 08-63 20 WITH HERD-MATES | 28                | 9,501  | 5.1  | 486 |      | 9                   | 9,095  | 439  |               |     |
| STATES- 35,41                                   |                   |        |      |     |      | DIFF.               | 406    | 47   |               |     |
| 527420 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 5                 | 7,376  | 4.4  | 325 |      |                     |        |      |               |     |
| STATES- 33,43 5 WITH HERD-MATES                 | 5                 | 7,376  | 4.4  | 325 |      | 5                   | 6,936  | 356  |               |     |
|   |                   |        |      |     |      | DIFF.               | 440    | 31-  |               |     |
| 527531 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 5                 | 7,836  | 4.8  | 373 |      |                     |        |      |               |     |
| STATES- 35 5 WITH HERD-MATES                    | 5                 | 7,836  | 4.8  | 373 |      | 6                   | 7,533  | 370  |               |     |
|   |                   |        |      |     |      | DIFF.               | 303    | 3    |               |     |
| 527533 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 8                 | 9,078  | 4.7  | 426 |      |                     |        |      |               |     |
| STATES- 21,23,52 5 WITH HERD-MATES              | 7                 | 9,137  | 4.7  | 430 |      | 19                  | 9,363  | 443  |               |     |
|   |                   |        |      |     |      | DIFF.               | 226-   | 13-  |               |     |
| 527534 IDEAL-S TRISUPER.....                    |                   |        |      |     |      |                     |        |      |               |     |
| 01-10-55 448080 1359994 17 NON-AI DAUGHTERS     | 19                | 8,924  | 5.1  | 452 |      |                     |        |      |               |     |
| AI STUD, 33-03 LISTED, 08-63 17 WITH HERD-MATES | 19                | 8,924  | 5.1  | 452 |      | 21                  | 9,616  | 465  |               |     |
| STATES- 21,22,23,32,35,52                       |                   |        |      |     |      | DIFF.               | 692-   | 13-  |               |     |
| 527555 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 8                 | 6,259  | 5.1  | 320 |      |                     |        |      |               |     |
| STATES- 32 5 WITH HERD-MATES                    | 8                 | 6,259  | 5.1  | 320 |      | 6                   | 8,163  | 384  |               |     |
|   |                   |        |      |     |      | DIFF.               | 1904-  | 64-  |               |     |
| 527608 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 6 NON-AI DAUGHTERS                              | 6                 | 9,460  | 4.6  | 433 |      |                     |        |      |               |     |
| STATES- 32 6 WITH HERD-MATES                    | 6                 | 9,460  | 4.6  | 433 |      | 8                   | 8,113  | 370  |               |     |
|   |                   |        |      |     |      | DIFF.               | 1347   | 63   |               |     |
| 527706 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 6                 | 7,891  | 5.5  | 432 |      |                     |        |      |               |     |
| STATES- 32 5 WITH HERD-MATES                    | 6                 | 7,891  | 5.5  | 432 |      | 34                  | 8,485  | 456  |               |     |
|   |                   |        |      |     |      | DIFF.               | 594-   | 24-  |               |     |
| 527721 .....                                    |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 5                 | 9,186  | 5.0  | 458 |      |                     |        |      |               |     |
| STATES- 23,41 5 WITH HERD-MATES                 | 5                 | 9,186  | 5.0  | 458 |      | 14                  | 9,120  | 451  |               |     |
|   |                   |        |      |     |      | DIFF.               | 66     | 7    |               |     |

## SIREs OF OHIA DAUGHTERS

| GUERNSEY                     |                                    |                     | AV. PRODUCTION OF | DAU.   | ADJ. HERD-MATES | AV. | PREDICTED | AV.             |
|------------------------------|------------------------------------|---------------------|-------------------|--------|-----------------|-----|-----------|-----------------|
|                              |                                    |                     | RECORDS           | MILK   | TEST            | FAT | MILK      | FAT             |
|                              |                                    |                     | NUMBER            | LB     | %               | LB  | NUMBER    | LB              |
| 527728                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 33                   |                                    | 7 NON-AI DAUGHTERS  | 7                 | 7,331  | 5.0             | 369 |           |                 |
|                              |                                    | 7 WITH HERD-MATES   | 7                 | 7,331  | 5.0             | 369 | 11        | 411             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 1189-           |
| 527763                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 23                   |                                    | 5 NON-AI DAUGHTERS  | 8                 | 7,974  | 5.2             | 415 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 8                 | 7,974  | 5.2             | 415 | 15        | 422             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 716-            |
| 527799                       | FINCH-S LA FAYETTE.....            |                     |                   |        |                 |     |           |                 |
| 03-29-56                     | 430189 1145914                     | 60 AI DAUGHTERS     | 77                | 9,439  | 4.7             | 439 |           |                 |
| AI STUD, 35-02 LISTED, 08-63 |                                    | 59 WITH HERD-MATES  | 76                | 9,486  | 4.7             | 442 | 13        | 432             |
| STATES- 34,35,72             |                                    |                     |                   |        |                 |     | DIFF.     | 472 10          |
| 527801                       | HOLLIKNOLL CHALLENGER.....         |                     |                   |        |                 |     |           |                 |
| 05-20-56                     | 508604 855998                      | 20 NON-AI DAUGHTERS | 28                | 10,090 | 5.1             | 511 |           |                 |
| AI STUD, 52-01 LISTED, 08-63 |                                    | 20 WITH HERD-MATES  | 28                | 10,090 | 5.1             | 511 | 20        | 487             |
| STATES- 52,63                |                                    |                     |                   |        |                 |     | DIFF.     | 497 24          |
| 527802                       | HOLLIKNOLL CAPTAIN.....            |                     |                   |        |                 |     |           |                 |
| 05-31-56                     | 510634 1245016                     | 20 NON-AI DAUGHTERS | 23                | 10,821 | 4.5             | 488 |           |                 |
| LISTED, 08-63                |                                    | 20 WITH HERD-MATES  | 23                | 10,821 | 4.5             | 488 | 51        | 454             |
| STATES- 52,55,63             |                                    |                     |                   |        |                 |     | DIFF.     | 1436 34         |
| 527855                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 16,21                |                                    | 5 NON-AI DAUGHTERS  | 10                | 8,418  | 5.1             | 431 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 10                | 8,418  | 5.1             | 431 | 28        | 448             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 434- 17-        |
| 527878                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 84                   |                                    | 5 NON-AI DAUGHTERS  | 5                 | 8,668  | 4.8             | 414 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 5                 | 8,668  | 4.8             | 414 | 11        | 396             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 367 18          |
| 527890                       | MCDONALD FARMS LE WILTON.....      |                     |                   |        |                 |     |           |                 |
| 05-13-55                     | 423199 1361629                     | 36 NON-AI DAUGHTERS | 64                | 10,800 | 4.9             | 530 |           |                 |
| LISTED, 08-63                |                                    | 36 WITH HERD-MATES  | 64                | 10,800 | 4.9             | 530 | 12        | 515             |
| STATES- 52                   |                                    |                     |                   |        |                 |     | DIFF.     | 10,420 380 15   |
| 527933                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 35                   |                                    | 5 NON-AI DAUGHTERS  | 6                 | 6,329  | 5.8             | 366 |           |                 |
|                              |                                    | 4 WITH HERD-MATES   | 5                 | 6,634  | 5.7             | 378 | 16        | 464             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 8,870 2236- 86- |
| 527955                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 58                   |                                    | 6 NON-AI DAUGHTERS  | 8                 | 8,136  | 4.2             | 343 |           |                 |
|                              |                                    | 6 WITH HERD-MATES   | 8                 | 8,136  | 4.2             | 343 | 30        | 355             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 8,111 25 12-    |
| 528036                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 86                   |                                    | 5 NON-AI DAUGHTERS  | 6                 | 7,627  | 4.9             | 371 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 6                 | 7,627  | 4.9             | 371 | 15        | 368             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 7,948 321- 3    |
| 528096                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 43                   |                                    | 5 NON-AI DAUGHTERS  | 10                | 8,761  | 5.0             | 438 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 10                | 8,761  | 5.0             | 438 | 12        | 403             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 8,425 336 35    |
| 528099                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 16,51,52             |                                    | 5 NON-AI DAUGHTERS  | 8                 | 8,906  | 4.7             | 420 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 8                 | 8,906  | 4.7             | 420 | 17        | 436             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 9,089 183- 16-  |
| 528128                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 23                   |                                    | 8 NON-AI DAUGHTERS  | 8                 | 6,075  | 4.9             | 295 |           |                 |
|                              |                                    | 7 WITH HERD-MATES   | 7                 | 6,273  | 4.8             | 303 | 4         | 362             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 7,554 1281- 59- |
| 528192                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 72                   |                                    | 5 NON-AI DAUGHTERS  | 5                 | 8,754  | 4.7             | 413 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 5                 | 8,754  | 4.7             | 413 | 48        | 443             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 9,606 852- 30-  |
| 528225                       | MCDONALD FARMS SUPREME DEANIE..... |                     |                   |        |                 |     |           |                 |
| 01-06-56                     | 503925 1690147                     | 22 NON-AI DAUGHTERS | 35                | 10,583 | 4.8             | 506 |           |                 |
| AI STUD, 33-03 LISTED, 08-63 |                                    | 22 WITH HERD-MATES  | 34                | 10,543 | 4.8             | 505 | 9         | 476             |
| STATES- 33,35,64             |                                    |                     |                   |        |                 |     | DIFF.     | 10,090 453 29   |
| 528257                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 91                   |                                    | 5 NON-AI DAUGHTERS  | 5                 | 10,796 | 4.7             | 506 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 5                 | 10,796 | 4.7             | 506 | 12        | 484             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 9,472 1324 22   |
| 528303                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 23                   |                                    | 5 NON-AI DAUGHTERS  | 6                 | 7,146  | 4.2             | 300 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 6                 | 7,146  | 4.2             | 300 | 4         | 310             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 7,329 183- 10-  |
| 528312                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 23                   |                                    | 10 NON-AI DAUGHTERS | 11                | 6,325  | 5.1             | 325 |           |                 |
|                              |                                    | 10 WITH HERD-MATES  | 11                | 6,325  | 5.1             | 325 | 26        | 347             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 7,308 983- 22-  |
| 528412                       | .....                              |                     |                   |        |                 |     |           |                 |
| STATES- 41                   |                                    | 5 NON-AI DAUGHTERS  | 7                 | 10,435 | 5.4             | 561 |           |                 |
|                              |                                    | 5 WITH HERD-MATES   | 7                 | 10,435 | 5.4             | 561 | 4         | 448             |
|                              |                                    |                     |                   |        |                 |     | DIFF.     | 8,972 1463 113  |
| 528424                       | YELLOW CREEK ND8LE CHIEF.....      |                     |                   |        |                 |     |           |                 |
| 02-18-56                     | 509779 1581532                     | 21 NON-AI DAUGHTERS | 31                | 11,846 | 4.9             | 576 |           |                 |
| AI STUD, 34-01 LISTED, 08-63 |                                    | 21 WITH HERD-MATES  | 31                | 11,846 | 4.9             | 576 | 14        | 478             |
| STATES- 23,32                |                                    |                     |                   |        |                 |     | DIFF.     | 10,111 1735 98  |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY                                 | AV. PRODUCTION OF DAU. |            |           |           | AOJ. HERO-MATES AV. |            |           | PREOICTED AV. |           |
|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 528468 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- #5                               | 5                      | 8,694      | 4.8       | 417       | 5                   | 8,694      | 4.8       | 417           |           |
|  | 5                      | 8,694      | 4.8       | 417       | 11                  | 8,519      | 411       |               |           |
|  |                        |            |           |           | DIFF.               | 175        | 6         |               |           |
| 528664 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- #1                               | 10                     | 7,801      | 4.7       | 366       | 12                  | 7,801      | 4.7       | 366           |           |
|  | 10                     | 7,801      | 4.7       | 366       | 18                  | 7,503      | 357       |               |           |
|  |                        |            |           |           | DIFF.               | 298        | 9         |               |           |
| 528753 YELLOW CREEK S. FAME.....         |                        |            |           |           |                     |            |           |               |           |
| 03-19-56 475595 1473505                  | 202                    | 8,708      | 5.0       | 434       | 285                 | 8,708      | 5.0       | 434           |           |
| AI STUD, 21-01 LISTED, 08-63             | 198                    | 8,725      | 5.0       | 435       | 280                 | 8,725      | 5.0       | 435           |           |
| STATES- 13,16,21,23,56,58                |                        |            |           |           | 14                  | 8,904      | 419       | 8,306         | 421       |
|  | 1                      | 10,795     | 4.6       | 492       | DIFF.               | 179-       | 16        |               |           |
|  | 1                      | 10,795     | 4.6       | 492       | 9                   | 10,346     | 467       |               |           |
|  |                        |            |           |           | DIFF.               | 449        | 25        |               |           |
| 528754 YELLOW CREEK S. FORTUNE.....      |                        |            |           |           |                     |            |           |               |           |
| 03-19-56 475595 1473505                  | 84                     | 9,937      | 5.1       | 502       | 131                 | 9,937      | 5.1       | 502           |           |
| AI STUD, 21-01 LISTED, 08-63             | 80                     | 9,904      | 5.0       | 499       | 125                 | 9,904      | 5.0       | 499           |           |
| STATES- 13,16,21,23,56                   |                        |            |           |           | 13                  | 8,960      | 428       | 9,287         | 468       |
|  |                        |            |           |           | DIFF.               | 944        | 71        |               |           |
| 528762 .....                             |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 31-02                           | 5                      | 7,941      | 4.9       | 386       | 6                   | 7,941      | 4.9       | 386           |           |
| STATES- 71                               | 4                      | 7,495      | 5.0       | 377       | 4                   | 7,495      | 5.0       | 377           |           |
|  |                        |            |           |           | 5                   | 8,336      | 406       | 8,217         | 398       |
|  |                        |            |           |           | DIFF.               | 841-       | 29-       |               |           |
| 528838 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 23,74,85                         | 7                      | 8,976      | 5.0       | 446       | 8                   | 8,976      | 5.0       | 446           |           |
|  | 6                      | 8,920      | 5.0       | 445       | 6                   | 8,920      | 5.0       | 445           |           |
|  |                        |            |           |           | 16                  | 9,020      | 436       |               |           |
|  |                        |            |           |           | DIFF.               | 100-       | 9         |               |           |
| 528865 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 32                               | 5                      | 8,500      | 5.0       | 428       | 6                   | 8,500      | 5.0       | 428           |           |
|  | 5                      | 8,500      | 5.0       | 428       | 6                   | 8,500      | 5.0       | 428           |           |
|  |                        |            |           |           | 10                  | 8,766      | 449       |               |           |
|  |                        |            |           |           | DIFF.               | 268-       | 21-       |               |           |
| 529008 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 56                               | 5                      | 10,084     | 4.7       | 475       | 5                   | 10,084     | 4.7       | 475           |           |
|  | 5                      | 10,084     | 4.7       | 475       | 5                   | 10,084     | 4.7       | 475           |           |
|  |                        |            |           |           | 26                  | 8,529      | 383       |               |           |
|  |                        |            |           |           | DIFF.               | 1555       | 92        |               |           |
| 529063 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 32                               | 6                      | 9,000      | 4.7       | 421       | 6                   | 9,000      | 4.7       | 421           |           |
|  | 6                      | 9,000      | 4.7       | 421       | 6                   | 9,000      | 4.7       | 421           |           |
|  |                        |            |           |           | 2                   | 8,463      | 384       |               |           |
|  |                        |            |           |           | DIFF.               | 537        | 37        |               |           |
| 529294 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 13                               | 26                     | 8,765      | 4.9       | 432       | 26                  | 8,765      | 4.9       | 432           |           |
|  | 26                     | 8,765      | 4.9       | 432       | 26                  | 8,765      | 4.9       | 432           |           |
|  |                        |            |           |           | 28                  | 9,149      | 437       |               |           |
|  |                        |            |           |           | DIFF.               | 384-       | 5-        |               |           |
| 529322 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 34                               | 5                      | 7,426      | 4.6       | 344       | 5                   | 7,426      | 4.6       | 344           |           |
|  | 5                      | 7,426      | 4.6       | 344       | 5                   | 7,426      | 4.6       | 344           |           |
|  |                        |            |           |           | 13                  | 8,280      | 380       |               |           |
|  |                        |            |           |           | DIFF.               | 854-       | 36-       |               |           |
| 529456 FENSLEE FARMS VISCUUNT.....       |                        |            |           |           |                     |            |           |               |           |
| 07-07-56 512972 1408844                  | 14                     | 11,598     | 5.1       | 594       | 24                  | 11,598     | 5.1       | 594           |           |
| AI STUD, 35-75 LISTED, 08-63             | 14                     | 11,598     | 5.1       | 594       | 24                  | 11,598     | 5.1       | 594           |           |
| STATES- 32                               |                        |            |           |           | 13                  | 10,834     | 567       |               |           |
|  |                        |            |           |           | DIFF.               | 764        | 27        |               |           |
| 529731 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 42                               | 5                      | 7,034      | 5.1       | 359       | 5                   | 7,034      | 5.1       | 359           |           |
|  | 2                      | 4,285      | 4.3       | 186       | 2                   | 4,285      | 4.3       | 186           |           |
|  |                        |            |           |           | 4                   | 9,573      | 485       |               |           |
|  |                        |            |           |           | DIFF.               | 5288-      | 299-      |               |           |
| 529773 MULHOCWAY BUTTERFAT DISPATCH..... |                        |            |           |           |                     |            |           |               |           |
| 05-28-56 493764 1268287                  | 26                     | 9,788      | 4.9       | 480       | 35                  | 9,788      | 4.9       | 480           |           |
| AI STUD, 33-03 LISTED, 08-63             | 26                     | 9,788      | 4.9       | 480       | 35                  | 9,788      | 4.9       | 480           |           |
| STATES- 23,52,63                         |                        |            |           |           | 27                  | 8,972      | 433       |               |           |
|  |                        |            |           |           | DIFF.               | 816        | 47        |               |           |
| 529775 MULHOCWAY BUTTERFAT DOLPHIN.....  |                        |            |           |           |                     |            |           |               |           |
| 07-07-56 493764 804387                   | 59                     | 8,682      | 4.8       | 421       | 60                  | 8,682      | 4.8       | 421           |           |
| AI STUD, 22-03 LISTED, 08-63             | 57                     | 8,721      | 4.9       | 423       | 58                  | 8,721      | 4.9       | 423           |           |
| STATES- 12,21,22,23,92                   |                        |            |           |           | 28                  | 9,388      | 452       | 7,962         | 385       |
|  | 6                      | 10,833     | 4.9       | 529       | DIFF.               | 667-       | 29-       |               |           |
|  | 6                      | 10,833     | 4.9       | 529       | 42                  | 9,793      | 474       |               |           |
|  |                        |            |           |           | DIFF.               | 1040       | 55        |               |           |
| 529788 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 58                               | 6                      | 6,338      | 4.6       | 291       | 6                   | 6,338      | 4.6       | 291           |           |
|  | 6                      | 6,338      | 4.6       | 291       | 6                   | 6,338      | 4.6       | 291           |           |
|  |                        |            |           |           | 179                 | 5,441      | 243       |               |           |
|  |                        |            |           |           | DIFF.               | 897        | 48        |               |           |
| 529811 LAKE LOUISE ROYAL LANCER.....     |                        |            |           |           |                     |            |           |               |           |
| 06-13-56 402201 1520504                  | 11                     | 11,805     | 5.3       | 626       | 14                  | 11,805     | 5.3       | 626           |           |
| AI STUD, 93-10 LISTED, 08-63             | 11                     | 11,805     | 5.3       | 626       | 14                  | 11,805     | 5.3       | 626           |           |
| STATES- 93                               |                        |            |           |           | 11                  | 10,535     | 535       |               |           |
|  |                        |            |           |           | DIFF.               | 1270       | 91        |               |           |
| 529842 COLBY'S SUPREMF.....              |                        |            |           |           |                     |            |           |               |           |
| 06-05-56 516703 1237544                  | 101                    | 9,485      | 4.8       | 457       | 136                 | 9,485      | 4.8       | 457           |           |
| AI STUD, 41-01 LISTED, 08-63             | 97                     | 9,450      | 4.8       | 457       | 132                 | 9,450      | 4.8       | 457           |           |
| STATES- 23,41,42,45,46                   |                        |            |           |           | 10                  | 8,854      | 437       | 8,991         | 425       |
|  |                        |            |           |           | DIFF.               | 596        | 20        |               |           |
| 529858 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 21,22                            | 5                      | 9,708      | 4.9       | 474       | 5                   | 9,708      | 4.9       | 474           |           |
|  | 5                      | 9,708      | 4.9       | 474       | 5                   | 9,708      | 4.9       | 474           |           |
|  |                        |            |           |           | 21                  | 10,202     | 499       |               |           |
|  |                        |            |           |           | DIFF.               | 494-       | 25-       |               |           |
| 530157 .....                             |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                               | 5                      | 6,150      | 5.3       | 328       | 8                   | 6,150      | 5.3       | 328           |           |
|  | 5                      | 6,150      | 5.3       | 328       | 8                   | 6,150      | 5.3       | 328           |           |
|  |                        |            |           |           | 14                  | 8,053      | 385       |               |           |
|  |                        |            |           |           | DIFF.               | 1903-      | 57-       |               |           |

## SIRE OF OHIA DAUGHTERS

| GUEPNSFY                                | AV. PRODUCTION OF DAU.                    |                      |            |            | ADJ. HERD-MATES AV. |                |             | PREDICTED AV. |           |
|---|---|----------------------|------------|------------|---------------------|----------------|-------------|---------------|-----------|
|   | RECORDS<br>NUMBER                         | MILK<br>LB           | TEST<br>%  | FAT<br>LB  | NUMBER              | MILK<br>LB     | FAT<br>LB   | MILK<br>LB    | FAT<br>LB |
| 530204 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 23,50,52                        | 7 NON-AI DAUGHTERS<br>7 WITH HERD-MATES   | 9 7,675<br>9 7,675   | 4.8<br>4.8 | 366<br>366 | 21<br>DIFF.         | 8,160<br>485-  | 397<br>31-  |               |           |
| 530206 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 23                              | 6 NON-AI DAUGHTERS<br>6 WITH HERD-MATES   | 7 7,801<br>7 7,801   | 5.2<br>5.2 | 409<br>409 | 18<br>DIFF.         | 8,767<br>966-  | 426<br>17-  |               |           |
| 530228 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 16,23,33                        | 7 NON-AI DAUGHTERS<br>7 WITH HERD-MATES   | 7 11,866<br>7 11,866 | 4.7<br>4.7 | 559<br>559 | 19<br>DIFF.         | 10,268<br>1598 | 525<br>34   |               |           |
| 530229 MCDONALD FARMS MISTER YOUNG..... |   |                      |            |            |                     |                |             |               |           |
| 07-06-56 488786 1478808                 | 10 NON-AI DAUGHTERS                       | 13 8,157             | 4.9        | 397        |                     |                |             |               |           |
| AI STUD, 35-04 LISTED, 08-63            | 10 WITH HERD-MATES                        | 13 8,157             | 4.9        | 397        | 12<br>DIFF.         | 8,963<br>806-  | 437<br>40-  |               |           |
| STATES- 35                              |   |                      |            |            |                     |                |             |               |           |
| 530238 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 23                              | 10 NON-AI DAUGHTERS<br>9 WITH HERD-MATES  | 10 7,837<br>9 7,958  | 4.8<br>4.8 | 374<br>380 | 8<br>DIFF.          | 8,266<br>308-  | 402<br>22-  |               |           |
| 530278 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 41                              | 5 NON-AI DAUGHTERS<br>5 WITH HERD-MATES   | 6 5,944<br>6 5,944   | 4.9<br>4.9 | 289<br>289 | 7<br>DIFF.          | 7,171<br>1227- | 343<br>54-  |               |           |
| 530291 MCDONALD FARMS JOLLY VAL.....    |   |                      |            |            |                     |                |             |               |           |
| 12-06-54 439587 1175197                 | 31 NON-AI DAUGHTERS                       | 56 9,817             | 5.1        | 497        |                     |                |             |               |           |
| AI STUD, 35-05 LISTED, 08-63            | 31 WITH HERD-MATES                        | 56 9,817             | 5.1        | 497        | 15<br>DIFF.         | 10,523<br>706- | 502<br>5-   |               |           |
| STATES- 14,16,21,23,51                  |   |                      |            |            |                     |                |             |               |           |
| 530320 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 33,61                           | 6 NON-AI DAUGHTERS<br>6 WITH HERD-MATES   | 8 4,790<br>8 4,790   | 5.2<br>5.2 | 249<br>249 | 6<br>DIFF.          | 7,100<br>2310- | 355<br>106- |               |           |
| 530324 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 33                              | 6 NON-AI DAUGHTERS<br>6 WITH HERD-MATES   | 6 9,697<br>6 9,697   | 5.1<br>5.1 | 497<br>497 | 9<br>DIFF.          | 9,105<br>592   | 441<br>56   |               |           |
| 530327 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 35                              | 6 NON-AI DAUGHTERS<br>6 WITH HERD-MATES   | 8 7,055<br>8 7,055   | 5.4<br>5.4 | 379<br>379 | 5<br>DIFF.          | 8,255<br>1200- | 426<br>47-  |               |           |
| 530345 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 42                              | 5 NON-AI DAUGHTERS<br>5 WITH HERD-MATES   | 9 8,668<br>9 8,668   | 4.9<br>4.9 | 423<br>423 | 8<br>DIFF.          | 7,995<br>673   | 389<br>34   |               |           |
| 530421 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 35,41                           | 6 NON-AI DAUGHTERS<br>6 WITH HERD-MATES   | 6 8,768<br>6 8,768   | 5.0<br>5.0 | 440<br>440 | 5<br>DIFF.          | 9,048<br>280-  | 429<br>11   |               |           |
| 530450 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 33,35                           | 7 NON-AI DAUGHTERS<br>7 WITH HERD-MATES   | 7 7,100<br>7 7,100   | 4.5<br>4.5 | 319<br>319 | 17<br>DIFF.         | 7,913<br>813-  | 379<br>60-  |               |           |
| 530532 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 35                              | 5 NON-AI DAUGHTERS<br>5 WITH HERD-MATES   | 7 7,071<br>7 7,071   | 4.8<br>4.8 | 339<br>339 | 14<br>DIFF.         | 7,271<br>200-  | 323<br>16   |               |           |
| 530678 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 23                              | 10 NON-AI DAUGHTERS<br>10 WITH HERD-MATES | 11 9,881<br>11 9,881 | 4.9<br>4.9 | 484<br>484 | 7<br>DIFF.          | 8,455<br>1426  | 407<br>77   |               |           |
| 530749 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 13                              | 11 NON-AI DAUGHTERS<br>11 WITH HERD-MATES | 14 7,546<br>14 7,546 | 4.4<br>4.4 | 331<br>331 | 7<br>DIFF.          | 8,554<br>1008- | 385<br>54-  |               |           |
| 530778 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 42                              | 7 NON-AI DAUGHTERS<br>7 WITH HERD-MATES   | 7 9,391<br>7 9,391   | 4.5<br>4.5 | 425<br>425 | 8<br>DIFF.          | 8,553<br>838   | 415<br>10   |               |           |
| 530816 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 21                              | 8 NON-AI DAUGHTERS<br>8 WITH HERD-MATES   | 11 7,328<br>11 7,328 | 4.7<br>4.7 | 341<br>341 | 6<br>DIFF.          | 8,274<br>946-  | 382<br>41-  |               |           |
| 530908 BAYVILLE ROYAL ORSON.....        |   |                      |            |            |                     |                |             |               |           |
| 10-10-56 449539 1476554                 | 13 NON-AI DAUGHTERS                       | 13 9,342             | 5.0        | 466        |                     |                |             |               |           |
| AI STUD, 63-01 LISTED, 08-63            | 13 WITH HERD-MATES                        | 13 9,342             | 5.0        | 466        | 56<br>DIFF.         | 9,266<br>76    | 456<br>10   |               |           |
| STATES- 52,63                           |   |                      |            |            |                     |                |             |               |           |
| 530948 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 23                              | 16 NON-AI DAUGHTERS<br>16 WITH HERD-MATES | 17 8,903<br>17 8,903 | 5.1<br>5.1 | 458<br>458 | 13<br>DIFF.         | 9,073<br>170-  | 440<br>18   |               |           |
| 530977 .....                            |   |                      |            |            |                     |                |             |               |           |
| STATES- 52,93                           | 8 NON-AI DAUGHTERS<br>8 WITH HERD-MATES   | 9 8,619<br>9 8,619   | 4.9<br>4.9 | 424<br>424 | 28<br>DIFF.         | 7,758<br>861   | 369<br>55   |               |           |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY                                   | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 530979 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 52                                 | 5                      | NDN-AI DAUGHTERS | 6         | 8,087     | 4.5                 | 366        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 6         | 8,087     | 4.5                 | 366        | 18        | 8,277         | 382       |
|  |                        |                  |           |           |                     |            | DIFF.     | 190-          | 16-       |
| 531066 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 52                                 | 6                      | NON-AI DAUGHTERS | 6         | 8,868     | 4.7                 | 417        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 6         | 8,868     | 4.7                 | 417        | 3         | 8,983         | 450       |
|  |                        |                  |           |           |                     |            | DIFF.     | 115-          | 33-       |
| 531081 U. OF M. G. GIANT.....              |                        |                  |           |           |                     |            |           |               |           |
| 10-02-56 507524 1446249                    | 10                     | NON-AI DAUGHTERS | 17        | 10,145    | 4.8                 | 490        |           |               |           |
| AI STUD, 41-01 LISTED, 08-63               | 10                     | WITH HERD-MATES  | 17        | 10,145    | 4.8                 | 490        | 16        | 9,458         | 474       |
| STATES- 41                                 |                        |                  |           |           |                     |            | DIFF.     | 687           | 16        |
| 531172 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42,47                              | 5                      | NON-AI DAUGHTERS | 8         | 6,994     | 5.0                 | 352        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 8         | 6,994     | 5.0                 | 352        | 15        | 7,748         | 377       |
|  |                        |                  |           |           |                     |            | DIFF.     | 754-          | 25-       |
| 531283 MULHOCWAY BUTTERFAT PECCADILLO..... |                        |                  |           |           |                     |            |           |               |           |
| 08-28-56 431323 1059368                    | 114                    | AI DAUGHTERS     | 138       | 8,808     | 4.9                 | 433        |           |               |           |
| AI STUD, 23-05 LISTED, 08-63               | 113                    | WITH HERD-MATES  | 136       | 8,851     | 4.9                 | 435        | 12        | 8,973         | 432       |
| STATES- 22,23,31                           |                        |                  |           |           |                     |            | DIFF.     | 122-          | 3         |
| 531318 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 56                                 | 7                      | NON-AI DAUGHTERS | 7         | 6,719     | 4.4                 | 294        |           |               |           |
|  | 7                      | WITH HERD-MATES  | 7         | 6,719     | 4.4                 | 294        | 15        | 7,401         | 328       |
|  |                        |                  |           |           |                     |            | DIFF.     | 682-          | 34-       |
| 531391 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 32,72                              | 7                      | NON-AI DAUGHTERS | 8         | 9,212     | 4.5                 | 416        |           |               |           |
|  | 7                      | WITH HERD-MATES  | 8         | 9,212     | 4.5                 | 416        | 18        | 8,698         | 405       |
|  |                        |                  |           |           |                     |            | DIFF.     | 514           | 11        |
| 531392 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 91                                 | 5                      | NON-AI DAUGHTERS | 6         | 12,203    | 4.3                 | 525        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 6         | 12,203    | 4.3                 | 525        | 6         | 8,622         | 411       |
|  |                        |                  |           |           |                     |            | DIFF.     | 3581          | 114       |
| 531480 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41                                 | 7                      | NON-AI DAUGHTERS | 10        | 8,706     | 4.7                 | 405        |           |               |           |
|  | 7                      | WITH HERD-MATES  | 10        | 8,706     | 4.7                 | 405        | 9         | 8,610         | 412       |
|  |                        |                  |           |           |                     |            | DIFF.     | 96            | 7-        |
| 531514 WYNO SAINT-S REX.....               |                        |                  |           |           |                     |            |           |               |           |
| 08-29-56 429156 1275760                    | 26                     | AI DAUGHTERS     | 36        | 8,831     | 5.0                 | 438        |           |               |           |
| AI STUD, 23-02 LISTED, 08-63               | 23                     | WITH HERD-MATES  | 32        | 8,802     | 4.9                 | 432        | 11        | 8,575         | 407       |
| STATES- 23                                 |                        |                  |           |           |                     |            | DIFF.     | 227           | 25        |
| 531687 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                 | 5                      | NON-AI DAUGHTERS | 5         | 9,578     | 4.8                 | 461        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 5         | 9,578     | 4.8                 | 461        | 12        | 8,905         | 422       |
|  |                        |                  |           |           |                     |            | DIFF.     | 673           | 39        |
| 531700 OLD HOMESTEAD IMPRINT.....          |                        |                  |           |           |                     |            |           |               |           |
| 09-27-56 398391 1380156                    | 10                     | AI DAUGHTERS     | 12        | 7,758     | 4.7                 | 368        |           |               |           |
| AI STUD, 72-01 LISTED, 08-63               | 10                     | WITH HERD-MATES  | 12        | 7,758     | 4.7                 | 368        | 42        | 7,509         | 349       |
| STATES- 72                                 |                        |                  |           |           |                     |            | DIFF.     | 249           | 19        |
| 531773 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                 | 8                      | NON-AI DAUGHTERS | 10        | 9,453     | 5.3                 | 502        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 8         | 10,663    | 5.4                 | 577        | 7         | 10,544        | 523       |
|  |                        |                  |           |           |                     |            | DIFF.     | 119           | 54        |
| 531881 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                 | 6                      | NON-AI DAUGHTERS | 9         | 9,144     | 5.1                 | 463        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 9         | 9,144     | 5.1                 | 463        | 14        | 8,295         | 407       |
|  |                        |                  |           |           |                     |            | DIFF.     | 849           | 56        |
| 531892 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                 | 9                      | NON-AI DAUGHTERS | 10        | 9,866     | 4.8                 | 473        |           |               |           |
|  | 9                      | WITH HERD-MATES  | 9         | 9,946     | 4.8                 | 476        | 9         | 8,767         | 412       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1179          | 64        |
| 532048 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 51                                 | 5                      | NON-AI DAUGHTERS | 5         | 8,680     | 5.0                 | 437        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 5         | 8,680     | 5.0                 | 437        | 12        | 8,802         | 415       |
|  |                        |                  |           |           |                     |            | DIFF.     | 122-          | 22        |
| 532097 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41,47                              | 5                      | NON-AI DAUGHTERS | 7         | 7,597     | 4.8                 | 362        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 7         | 7,597     | 4.8                 | 362        | 29        | 8,440         | 414       |
|  |                        |                  |           |           |                     |            | DIFF.     | 843-          | 52-       |
| 532238 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                 | 5                      | NON-AI DAUGHTERS | 5         | 8,660     | 4.9                 | 423        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 5         | 8,660     | 4.9                 | 423        | 14        | 7,806         | 385       |
|  |                        |                  |           |           |                     |            | DIFF.     | 854           | 38        |
| 532375 MCDONALD FARMS RIVAL ZENITH.....    |                        |                  |           |           |                     |            |           |               |           |
| 11-09-56 493168 1140945                    | 16                     | AI DAUGHTERS     | 25        | 8,982     | 4.8                 | 427        |           |               |           |
| AI STUD, 33-02 LISTED, 08-63               | 16                     | WITH HERD-MATES  | 25        | 8,982     | 4.8                 | 427        | 11        | 8,692         | 412       |
| STATES- 33                                 |                        |                  |           |           |                     |            | DIFF.     | 290           | 15        |
| 532401 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 51                                 | 5                      | NON-AI DAUGHTERS | 6         | 7,175     | 5.6                 | 405        |           |               |           |
|  | 4                      | WITH HERD-MATES  | 5         | 7,151     | 5.9                 | 422        | 3         | 8,505         | 410       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1354-         | 12        |
| 532487 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 16                                 | 8                      | NON-AI DAUGHTERS | 8         | 10,278    | 4.6                 | 477        |           |               |           |
|  | 8                      | WITH HERD-MATES  | 8         | 10,278    | 4.6                 | 477        | 8         | 9,051         | 423       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1227          | 54        |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY         |       | AV. RECORDS      | PRODUCTION OF MILK | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|------------------|-------|------------------|--------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 532537           | ..... | 6                | NDN-AI DAUGHTERS   | 8      | 9,156       | 4.9             | 449                |            |                       |        |
| STATES- 43       | 6     | NDN-AI DAUGHTERS | 8                  | 9,156  | 4.9         | 449             | 7                  | 9,500      | 469                   | 20-    |
|                  |       | 6                | WITH HERD-MATES    |        |             |                 | DIFF.              | 344-       |                       |        |
| 532553           | ..... | 16               | NDN-AI DAUGHTERS   | 21     | 9,781       | 4.6             | 453                |            |                       |        |
| STATES- 31       | 16    | NDN-AI DAUGHTERS | 21                 | 9,781  | 4.6         | 453             | 6                  | 9,640      | 454                   | 1-     |
|                  |       | 16               | WITH HERD-MATES    |        |             |                 | DIFF.              | 141        |                       |        |
| 532573           | ..... | 5                | NDN-AI DAUGHTERS   | 6      | 7,949       | 5.1             | 409                |            |                       |        |
| STATES- 55,56,63 | 5     | NDN-AI DAUGHTERS | 6                  | 7,949  | 5.1         | 409             | 19                 | 8,026      | 401                   | 8      |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 77-        |                       |        |
| 532583           | ..... | 8                | NDN-AI DAUGHTERS   | 10     | 7,219       | 5.1             | 366                |            |                       |        |
| STATES- 42       | 8     | NDN-AI DAUGHTERS | 10                 | 7,219  | 5.1         | 366             | 6                  | 8,056      | 386                   | 20-    |
|                  |       | 8                | WITH HERD-MATES    |        |             |                 | DIFF.              | 837-       |                       |        |
| 532610           | ..... | 12               | NDN-AI DAUGHTERS   | 15     | 8,845       | 4.7             | 412                |            |                       |        |
| STATES- 14       | 12    | NDN-AI DAUGHTERS | 14                 | 8,840  | 4.6         | 411             | 22                 | 8,813      | 420                   | 9-     |
|                  |       | 12               | WITH HERD-MATES    |        |             |                 | DIFF.              | 27         |                       |        |
| 532628           | ..... | 7                | NDN-AI DAUGHTERS   | 7      | 10,127      | 5.2             | 528                |            |                       |        |
| STATES- 23       | 7     | NDN-AI DAUGHTERS | 7                  | 10,127 | 5.2         | 528             | 14                 | 9,081      | 452                   | 76     |
|                  |       | 7                | WITH HERD-MATES    |        |             |                 | DIFF.              | 1046       |                       |        |
| 532630           | ..... | 5                | NDN-AI DAUGHTERS   | 6      | 7,514       | 5.0             | 378                |            |                       |        |
| STATES- 22       | 5     | NDN-AI DAUGHTERS | 6                  | 7,514  | 5.0         | 378             | 7                  | 9,446      | 466                   | 88-    |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 1932-      |                       |        |
| 532650           | ..... | 5                | NDN-AI DAUGHTERS   | 6      | 8,938       | 5.0             | 448                |            |                       |        |
| STATES- 52       | 5     | NDN-AI DAUGHTERS | 6                  | 8,938  | 5.0         | 448             | 16                 | 9,026      | 449                   | 1-     |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 88-        |                       |        |
| 532737           | ..... | 13               | NDN-AI DAUGHTERS   | 13     | 7,464       | 4.8             | 355                |            |                       |        |
| STATES- 33,35,55 | 13    | NDN-AI DAUGHTERS | 13                 | 7,464  | 4.8         | 355             | 20                 | 7,056      | 366                   | 11-    |
|                  |       | 13               | WITH HERD-MATES    |        |             |                 | DIFF.              | 408        |                       |        |
| 532823           | ..... | 5                | NDN-AI DAUGHTERS   | 5      | 5,208       | 4.5             | 236                |            |                       |        |
| STATES- 65       | 5     | NDN-AI DAUGHTERS | 5                  | 5,208  | 4.5         | 236             | 21                 | 6,692      | 309                   | 73-    |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 1484-      |                       |        |
| 532884           | ..... | 6                | NDN-AI DAUGHTERS   | 6      | 11,327      | 4.5             | 505                |            |                       |        |
| STATES- 43,48    | 6     | NDN-AI DAUGHTERS | 6                  | 11,327 | 4.5         | 505             | 9                  | 10,087     | 471                   | 34     |
|                  |       | 6                | WITH HERD-MATES    |        |             |                 | DIFF.              | 1240       |                       |        |
| 532902           | ..... | 5                | NDN-AI DAUGHTERS   | 6      | 8,424       | 4.7             | 394                |            |                       |        |
| STATES- 52,56    | 5     | NDN-AI DAUGHTERS | 6                  | 8,424  | 4.7         | 394             | 22                 | 7,852      | 371                   | 23     |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 572        |                       |        |
| 532941           | ..... | 7                | NDN-AI DAUGHTERS   | 8      | 7,903       | 4.7             | 375                |            |                       |        |
| STATES- 23       | 7     | NDN-AI DAUGHTERS | 8                  | 7,903  | 4.7         | 375             | 7                  | 8,431      | 414                   | 39-    |
|                  |       | 7                | WITH HERD-MATES    |        |             |                 | DIFF.              | 528-       |                       |        |
| 532970           | ..... | 5                | NDN-AI DAUGHTERS   | 8      | 7,015       | 4.7             | 331                |            |                       |        |
| STATES- 63       | 5     | NDN-AI DAUGHTERS | 8                  | 7,015  | 4.7         | 331             | 13                 | 7,701      | 384                   | 53-    |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 686-       |                       |        |
| 533102           | ..... | 5                | NDN-AI DAUGHTERS   | 5      | 5,382       | 4.6             | 245                |            |                       |        |
| STATES- 51       | 5     | NDN-AI DAUGHTERS | 5                  | 5,382  | 4.6         | 245             | 11                 | 6,103      | 294                   | 49-    |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 721-       |                       |        |
| 533148           | ..... | 6                | NDN-AI DAUGHTERS   | 6      | 8,383       | 5.3             | 448                |            |                       |        |
| STATES- 41,47    | 5     | NDN-AI DAUGHTERS | 5                  | 8,884  | 5.3         | 469             | 21                 | 8,752      | 430                   | 39     |
|                  |       | 6                | WITH HERD-MATES    |        |             |                 | DIFF.              | 132        |                       |        |
| 533168           | ..... | 5                | NDN-AI DAUGHTERS   | 5      | 8,886       | 5.7             | 507                |            |                       |        |
| STATES- 43       | 5     | NDN-AI DAUGHTERS | 5                  | 8,886  | 5.7         | 507             | 3                  | 10,513     | 460                   | 47     |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 1627-      |                       |        |
| 533190           | ..... | 6                | NDN-AI DAUGHTERS   | 6      | 9,335       | 5.2             | 484                |            |                       |        |
| STATES- 91       | 6     | NDN-AI DAUGHTERS | 6                  | 9,335  | 5.2         | 484             | 23                 | 10,205     | 487                   | 3-     |
|                  |       | 6                | WITH HERD-MATES    |        |             |                 | DIFF.              | 870-       |                       |        |
| 533215           | ..... | 7                | NDN-AI DAUGHTERS   | 8      | 10,632      | 4.8             | 510                |            |                       |        |
| STATES- 32       | 7     | NDN-AI DAUGHTERS | 8                  | 10,632 | 4.8         | 510             | 8                  | 10,255     | 494                   | 16     |
|                  |       | 7                | WITH HERD-MATES    |        |             |                 | DIFF.              | 377        |                       |        |
| 533234           | ..... | 5                | NDN-AI DAUGHTERS   | 5      | 8,428       | 4.9             | 411                |            |                       |        |
| STATES- 61       | 4     | NDN-AI DAUGHTERS | 4                  | 9,175  | 4.7         | 433             | 1                  | 8,097      | 409                   | 24     |
|                  |       | 5                | WITH HERD-MATES    |        |             |                 | DIFF.              | 1078       |                       |        |
| 533246           | ..... | 8                | NDN-AI DAUGHTERS   | 9      | 8,466       | 4.8             | 406                |            |                       |        |
| STATES- 23       | 8     | NDN-AI DAUGHTERS | 9                  | 8,466  | 4.8         | 406             | 26                 | 9,314      | 445                   | 39-    |
|                  |       | 8                | WITH HERD-MATES    |        |             |                 | DIFF.              | 848-       |                       |        |

## SIRFS OF DHIA DAUGHTERS

| GUERNSEY         |                                |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB FAT LB |     |
|------------------|--------------------------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|------------------------------|-----|
| 533312           | IDEAL-S LUMINARY.....          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
| 02-27-56         | 452274 1329093                 | 39 | NDN-AI DAUGHTERS | 54          | 11,224                | 4.9    | 552         |                 |                    |            |                              |     |
| AI STUD, 11-01   | LISTED, 08-63                  | 39 | WITH HERD-MATES  | 54          | 11,224                | 4.9    | 552         |                 |                    |            |                              |     |
| STATES- 11       |                                |    |                  |             |                       |        |             | 22              | 10,398             | 501        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 826                | 51         |                              |     |
| 533318           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 7  | NDN-AI DAUGHTERS | 7           | 7,834                 | 4.5    | 351         |                 |                    |            |                              |     |
| STATES- 64       |                                | 7  | WITH HERD-MATES  | 7           | 7,834                 | 4.5    | 351         | 16              | 7,944              | 351        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 110-               |            |                              |     |
| 533396           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NDN-AI DAUGHTERS | 5           | 7,900                 | 4.9    | 391         |                 |                    |            |                              |     |
| STATES- 51       |                                | 5  | WITH HERD-MATES  | 5           | 7,900                 | 4.9    | 391         | 9               | 7,987              | 393        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 87-                | 2-         |                              |     |
| 533453           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NON-AI DAUGHTERS | 5           | 6,828                 | 5.1    | 345         |                 |                    |            |                              |     |
| STATES- 52       |                                | 5  | WITH HERD-MATES  | 5           | 6,828                 | 5.1    | 345         | 13              | 7,366              | 370        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 538-               | 25-        |                              |     |
| 533470           | NORMANDY IMPERIALIST.....      |    |                  |             |                       |        |             |                 |                    |            |                              |     |
| 06-05-56         | 453207 1416387                 | 19 | AI DAUGHTERS     | 23          | 10,163                | 4.6    | 472         |                 |                    |            |                              |     |
| AI STUD, 41-25   | LISTED, 08-63                  | 17 | WITH HERD-MATES  | 20          | 10,411                | 4.7    | 485         | 8               | 9,200              | 450        | 9,177                        | 428 |
| STATES- 43,73    |                                |    |                  |             |                       |        |             | DIFF.           | 1211               | 35         |                              |     |
| 533471           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NDN-AI DAUGHTERS | 6           | 9,156                 | 4.9    | 451         |                 |                    |            |                              |     |
| STATES- 32,47    |                                | 5  | WITH HERD-MATES  | 5           | 9,564                 | 4.9    | 472         | 24              | 9,437              | 463        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 127                | 9          |                              |     |
| 533538           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 8  | NON-AI DAUGHTERS | 8           | 8,055                 | 4.8    | 388         |                 |                    |            |                              |     |
| STATES- 65,72    |                                | 8  | WITH HERD-MATES  | 8           | 8,055                 | 4.8    | 388         | 30              | 9,232              | 427        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 1177-              | 39-        |                              |     |
| 533548           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 12 | NON-AI DAUGHTERS | 12          | 8,669                 | 4.3    | 377         |                 |                    |            |                              |     |
| STATES- 64       |                                | 11 | WITH HERD-MATES  | 11          | 8,817                 | 4.4    | 384         | 9               | 7,901              | 353        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 916                | 31         |                              |     |
| 533587           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 6  | NON-AI DAUGHTERS | 6           | 8,272                 | 4.5    | 375         |                 |                    |            |                              |     |
| STATES- 92       |                                | 6  | WITH HERD-MATES  | 6           | 8,272                 | 4.5    | 375         | 8               | 9,350              | 452        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 1078-              | 77-        |                              |     |
| 533675           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NDN-AI DAUGHTERS | 8           | 8,049                 | 5.5    | 442         |                 |                    |            |                              |     |
| STATES- 33       |                                | 5  | WITH HERD-MATES  | 8           | 8,049                 | 5.5    | 442         | 13              | 8,301              | 398        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 252-               | 44         |                              |     |
| 533753           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NDN-AI DAUGHTERS | 5           | 11,838                | 4.7    | 557         |                 |                    |            |                              |     |
| STATES- 93       |                                | 5  | WITH HERD-MATES  | 5           | 11,838                | 4.7    | 557         | 45              | 10,174             | 485        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 1664               | 72         |                              |     |
| 533769           | NORGERT-S RDYAL NANCE.....     |    |                  |             |                       |        |             |                 |                    |            |                              |     |
| 01-13-57         | 473218 1427010                 | 23 | NON-AI DAUGHTERS | 31          | 12,158                | 5.0    | 602         |                 |                    |            |                              |     |
| AI STUD, 33-03   | LISTED, 08-63                  | 23 | WITH HERD-MATES  | 31          | 12,158                | 5.0    | 602         | 26              | 11,116             | 566        |                              |     |
| STATES- 33       |                                |    |                  |             |                       |        |             | DIFF.           | 1042               | 36         |                              |     |
| 533773           | NORGERT-S RDYAL SDLITAIRE..... |    |                  |             |                       |        |             |                 |                    |            |                              |     |
| 04-23-57         | 473218 1169469                 | 17 | AI DAUGHTERS     | 20          | 9,122                 | 4.5    | 413         |                 |                    |            |                              |     |
| AI STUD, 33-02   | LISTED, 08-63                  | 17 | WITH HERD-MATES  | 20          | 9,122                 | 4.5    | 413         | 10              | 8,921              | 422        | 8,575                        | 401 |
| STATES- 33,63    |                                |    |                  |             |                       |        |             | DIFF.           | 201                | 9-         |                              |     |
| 533774           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 3  | AI DAUGHTERS     | 3           | 8,633                 | 4.7    | 407         |                 |                    |            |                              |     |
| AI STUD, 33-03   |                                | 3  | WITH HERD-MATES  | 3           | 8,633                 | 4.7    | 407         | 20              | 8,575              | 422        | 8,444                        | 402 |
| STATES- 23,42,82 |                                |    |                  |             |                       |        |             | DIFF.           | 58                 | 15-        |                              |     |
|                  |                                | 2  | NDN-AI DAUGHTERS | 2           | 9,035                 | 4.4    | 401         |                 |                    |            |                              |     |
|                  |                                | 2  | WITH HERD-MATES  | 2           | 9,035                 | 4.4    | 401         | 22              | 8,933              | 441        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 102                | 40-        |                              |     |
| 533790           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NDN-AI DAUGHTERS | 6           | 9,763                 | 4.7    | 456         |                 |                    |            |                              |     |
| STATES- 31       |                                | 5  | WITH HERD-MATES  | 6           | 9,763                 | 4.7    | 456         | 12              | 9,777              | 457        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 14-                | 1-         |                              |     |
| 533808           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 6  | NDN-AI DAUGHTERS | 8           | 7,278                 | 4.9    | 356         |                 |                    |            |                              |     |
| STATES- 21       |                                | 6  | WITH HERD-MATES  | 8           | 7,278                 | 4.9    | 356         | 32              | 8,499              | 395        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 1221-              | 39-        |                              |     |
| 533828           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 6  | NDN-AI DAUGHTERS | 6           | 10,578                | 4.8    | 510         |                 |                    |            |                              |     |
| STATES- 21       |                                | 6  | WITH HERD-MATES  | 6           | 10,578                | 4.8    | 510         | 10              | 10,636             | 501        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 58-                | 9          |                              |     |
| 533848           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NON-AI DAUGHTERS | 5           | 7,224                 | 4.8    | 345         |                 |                    |            |                              |     |
| STATES- 23       |                                | 5  | WITH HERD-MATES  | 5           | 7,224                 | 4.8    | 345         | 27              | 7,401              | 354        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 177-               | 9-         |                              |     |
| 533854           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 5  | NON-AI DAUGHTERS | 5           | 9,630                 | 5.2    | 496         |                 |                    |            |                              |     |
| STATES- 82       |                                | 5  | WITH HERD-MATES  | 5           | 9,630                 | 5.2    | 496         | 16              | 10,375             | 504        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 745-               | 8-         |                              |     |
| 533945           | .....                          |    |                  |             |                       |        |             |                 |                    |            |                              |     |
|                  |                                | 7  | NDN-AI DAUGHTERS | 9           | 8,986                 | 4.7    | 419         |                 |                    |            |                              |     |
| STATES- 82       |                                | 7  | WITH HERD-MATES  | 9           | 8,986                 | 4.7    | 419         | 18              | 9,198              | 458        |                              |     |
|                  |                                |    |                  |             |                       |        |             | DIFF.           | 212-               | 39-        |                              |     |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY                     |                                | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|------------------------------|--------------------------------|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|                              |                                | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|                              |                                | NUMBER                 | LB     | %    | LB  |                     | LB     | LB  | LB            | LB  |
| 533949                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 47                   | 5 NDN-AI DAUGHTERS             | 6                      | 8,232  | 5.0  | 408 |                     |        |     |               |     |
|                              | 5 WITH HERD-MATES              | 6                      | 8,232  | 5.0  | 408 | 25                  | 8,374  | 399 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 142-   | 9   |               |     |
| 534057                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 92                   | 8 NDN-AI DAUGHTERS             | 9                      | 10,861 | 4.5  | 489 |                     |        |     |               |     |
|                              | 8 WITH HERD-MATES              | 9                      | 10,861 | 4.5  | 489 | 7                   | 10,617 | 492 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 244    | 3-  |               |     |
| 534135                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 42                   | 6 NDN-AI DAUGHTERS             | 6                      | 9,797  | 4.5  | 438 |                     |        |     |               |     |
|                              | 6 WITH HERD-MATES              | 6                      | 9,797  | 4.5  | 438 | 12                  | 10,136 | 447 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 339-   | 9-  |               |     |
| 534136                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 42                   | 10 NDN-AI DAUGHTERS            | 10                     | 11,100 | 5.1  | 565 |                     |        |     |               |     |
|                              | 10 WITH HERD-MATES             | 10                     | 11,100 | 5.1  | 565 | 5                   | 9,838  | 463 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 1262   | 102 |               |     |
| 534236                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 23,56                | 6 NDN-AI DAUGHTERS             | 8                      | 8,012  | 4.5  | 363 |                     |        |     |               |     |
|                              | 6 WITH HERD-MATES              | 8                      | 8,012  | 4.5  | 363 | 21                  | 7,643  | 355 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 369    | 8   |               |     |
| 534283                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 14,23                | 5 NDN-AI DAUGHTERS             | 5                      | 7,746  | 4.9  | 381 |                     |        |     |               |     |
|                              | 5 WITH HERD-MATES              | 5                      | 7,746  | 4.9  | 381 | 10                  | 9,707  | 474 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 1961-  | 93- |               |     |
| 534326                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| AI STUD, 35-04               | 5 NDN-AI DAUGHTERS             | 5                      | 10,064 | 5.0  | 508 |                     |        |     |               |     |
| STATES- 14,21,23,63          | 4 WITH HERD-MATES              | 4                      | 9,748  | 5.2  | 504 | 31                  | 9,088  | 433 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 660    | 71  |               |     |
| 534459                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 23                   | 5 NDN-AI DAUGHTERS             | 7                      | 9,057  | 5.0  | 456 |                     |        |     |               |     |
|                              | 5 WITH HERD-MATES              | 7                      | 9,057  | 5.0  | 456 | 12                  | 9,212  | 453 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 155-   | 3   |               |     |
| 534490                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 51                   | 6 NDN-AI DAUGHTERS             | 6                      | 9,813  | 4.5  | 442 |                     |        |     |               |     |
|                              | 6 WITH HERD-MATES              | 6                      | 9,813  | 4.5  | 442 | 22                  | 9,269  | 428 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 544    | 14  |               |     |
| 534534                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 43                   | 8 NDN-AI DAUGHTERS             | 9                      | 8,421  | 4.9  | 414 |                     |        |     |               |     |
|                              | 8 WITH HERD-MATES              | 9                      | 8,421  | 4.9  | 414 | 9                   | 7,402  | 371 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 1019   | 43  |               |     |
| 534559                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 23                   | 6 NDN-AI DAUGHTERS             | 7                      | 7,905  | 4.6  | 362 |                     |        |     |               |     |
|                              | 6 WITH HERD-MATES              | 7                      | 7,905  | 4.6  | 362 | 11                  | 8,267  | 389 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 362-   | 27- |               |     |
| 534575                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 56                   | 6 NDN-AI DAUGHTERS             | 6                      | 9,472  | 4.8  | 453 |                     |        |     |               |     |
|                              | 6 WITH HERD-MATES              | 6                      | 9,472  | 4.8  | 453 | 24                  | 9,618  | 464 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 146-   | 11- |               |     |
| 534649                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 21                   | 6 NDN-AI DAUGHTERS             | 8                      | 10,521 | 4.8  | 507 |                     |        |     |               |     |
|                              | 6 WITH HERD-MATES              | 8                      | 10,521 | 4.8  | 507 | 22                  | 9,566  | 458 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 955    | 49  |               |     |
| 534666                       | CDLBYS EMINENT.....            |                        |        |      |     |                     |        |     |               |     |
| 02-09-57 455722 1194901      | 80 AI DAUGHTERS                | 92                     | 8,660  | 4.7  | 409 |                     |        |     |               |     |
| AI STUD, 41-01 LISTED, 08-63 | 78 WITH HERD-MATES             | 90                     | 8,660  | 4.7  | 410 | 10                  | 8,647  | 427 | 8,460         | 392 |
| STATES- 23,34,41,42,45,46    |                                |                        |        |      |     | DIFF.               | 13     | 17- |               |     |
| 534671                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 42                   | 5 NDN-AI DAUGHTERS             | 6                      | 11,016 | 4.6  | 505 |                     |        |     |               |     |
|                              | 5 WITH HERD-MATES              | 6                      | 11,016 | 4.6  | 505 | 7                   | 9,752  | 448 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 1264   | 57  |               |     |
| 534727                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 61                   | 5 NDN-AI DAUGHTERS             | 7                      | 7,239  | 4.6  | 336 |                     |        |     |               |     |
|                              | 5 WITH HERD-MATES              | 7                      | 7,239  | 4.6  | 336 | 14                  | 7,051  | 352 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 188    | 16- |               |     |
| 534739                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 43                   | 5 NDN-AI DAUGHTERS             | 5                      | 11,098 | 5.2  | 582 |                     |        |     |               |     |
|                              | 5 WITH HERD-MATES              | 5                      | 11,098 | 5.2  | 582 | 6                   | 11,775 | 574 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 677-   | 8   |               |     |
| 534744                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| AI STUD, 61-01               | 6 AI DAUGHTERS                 | 6                      | 6,785  | 5.0  | 337 |                     |        |     |               |     |
| STATES- 61                   | 6 WITH HERD-MATES              | 6                      | 6,785  | 5.0  | 337 | 7                   | 7,961  | 384 | 8,026         | 389 |
|                              |                                |                        |        |      |     | DIFF.               | 1176-  | 47- |               |     |
| 534746                       | YELLOW CREEK 8FT. DDN LEE..... |                        |        |      |     |                     |        |     |               |     |
| 04-20-57 478507 1260591      | 27 AI DAUGHTERS                | 30                     | 8,840  | 4.8  | 422 |                     |        |     |               |     |
| AI STUD, 31-02 LISTED, 08-63 | 27 WITH HERD-MATES             | 30                     | 8,840  | 4.8  | 422 | 41                  | 8,695  | 408 | 8,548         | 415 |
| STATES- 31,32,55,56,64       |                                |                        |        |      |     | DIFF.               | 145    | 14  |               |     |
| 534760                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 51                   | 5 NDN-AI DAUGHTERS             | 5                      | 10,786 | 5.3  | 567 |                     |        |     |               |     |
|                              | 5 WITH HERD-MATES              | 5                      | 10,786 | 5.3  | 567 | 24                  | 9,164  | 472 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 1622   | 95  |               |     |
| 534761                       | .....                          |                        |        |      |     |                     |        |     |               |     |
| STATES- 51                   | 8 NDN-AI DAUGHTERS             | 8                      | 9,263  | 4.9  | 450 |                     |        |     |               |     |
|                              | 8 WITH HERD-MATES              | 8                      | 9,263  | 4.9  | 450 | 12                  | 7,996  | 376 |               |     |
|                              |                                |                        |        |      |     | DIFF.               | 1267   | 74  |               |     |

## SIRFS OF DHIA DAUGHTERS

| GUERNSEY                                  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 534850 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 55                                | 6                      | 9,158      | 4.8       | 436       |                     |            |           |               |           |
|   | 6                      | 9,158      | 4.8       | 436       | 7                   | 8,909      | 388       |               |           |
|   |                        |            |           |           | DIFF.               | 249        | 48        |               |           |
| 534854 .....                              |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 23-04                            | 5                      | 8,194      | 5.3       | 438       |                     |            |           |               |           |
| STATES- 22,33                             | 5                      | 8,194      | 5.3       | 438       | 47                  | 7,877      | 400       |               |           |
|   |                        |            |           |           | DIFF.               | 317        | 38        |               |           |
| 534878 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 73                                | 5                      | 6,534      | 4.9       | 318       |                     |            |           |               |           |
|   | 5                      | 6,534      | 4.9       | 318       | 26                  | 7,573      | 384       |               |           |
|   |                        |            |           |           | DIFF.               | 1039-      | 66-       |               |           |
| 534922 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                | 5                      | 9,297      | 5.0       | 464       |                     |            |           |               |           |
|   | 5                      | 9,297      | 5.0       | 464       | 12                  | 9,032      | 428       |               |           |
|   |                        |            |           |           | DIFF.               | 265        | 36        |               |           |
| 534954 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 33,42                             | 5                      | 8,290      | 5.1       | 420       |                     |            |           |               |           |
|   | 5                      | 8,290      | 5.1       | 420       | 26                  | 9,004      | 431       |               |           |
|   |                        |            |           |           | DIFF.               | 714-       | 11-       |               |           |
| 534976 GOLDEN GRANGE IDEAL VANGELINE..... |                        |            |           |           |                     |            |           |               |           |
| 08-20-55 424343 1103034                   | 13                     | 9,589      | 4.8       | 462       |                     |            |           |               |           |
| AI STUD, 31-01 LISTED, 08-63              | 13                     | 9,589      | 4.8       | 462       | 19                  | 8,921      | 424       | 8,803         | 426       |
| STATES- 23,31,32,34                       |                        |            |           |           | DIFF.               | 668        | 38        |               |           |
|   | 3                      | 10,240     | 4.5       | 457       |                     |            |           |               |           |
|   | 3                      | 10,240     | 4.5       | 457       | 8                   | 9,083      | 420       |               |           |
|   |                        |            |           |           | DIFF.               | 1157       | 37        |               |           |
| 534977 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 21,32                             | 5                      | 7,999      | 5.2       | 417       |                     |            |           |               |           |
|   | 5                      | 7,999      | 5.2       | 417       | 14                  | 9,592      | 475       |               |           |
|   |                        |            |           |           | DIFF.               | 1593-      | 58-       |               |           |
| 535032 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 56                                | 5                      | 6,941      | 5.0       | 346       |                     |            |           |               |           |
|   | 5                      | 6,941      | 5.0       | 346       | 27                  | 6,984      | 335       |               |           |
|   |                        |            |           |           | DIFF.               | 43-        | 11        |               |           |
| 535074 .....                              |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 22-03                            | 9                      | 8,508      | 5.2       | 439       |                     |            |           |               |           |
| STATES- 21,22                             | 8                      | 8,236      | 5.1       | 424       | 9                   | 9,183      | 452       | 8,081         | 396       |
|   |                        |            |           |           | DIFF.               | 947-       | 28-       |               |           |
| 535076 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                | 8                      | 8,571      | 4.6       | 396       |                     |            |           |               |           |
|   | 8                      | 8,571      | 4.6       | 396       | 17                  | 9,013      | 441       |               |           |
|   |                        |            |           |           | DIFF.               | 442-       | 45-       |               |           |
| 535096 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 51                                | 5                      | 8,517      | 4.7       | 404       |                     |            |           |               |           |
|   | 5                      | 8,517      | 4.7       | 404       | 26                  | 9,242      | 441       |               |           |
|   |                        |            |           |           | DIFF.               | 725-       | 37-       |               |           |
| 535108 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 41,47                             | 5                      | 9,016      | 5.0       | 447       |                     |            |           |               |           |
|   | 5                      | 9,016      | 5.0       | 447       | 17                  | 9,132      | 455       |               |           |
|   |                        |            |           |           | DIFF.               | 116-       | 8-        |               |           |
| 535117 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 11                                | 5                      | 7,578      | 4.4       | 336       |                     |            |           |               |           |
|   | 5                      | 7,578      | 4.4       | 336       | 9                   | 8,454      | 381       |               |           |
|   |                        |            |           |           | DIFF.               | 876-       | 45-       |               |           |
| 535118 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 56                                | 5                      | 8,444      | 4.6       | 388       |                     |            |           |               |           |
|   | 5                      | 8,444      | 4.6       | 388       | 26                  | 7,107      | 332       |               |           |
|   |                        |            |           |           | DIFF.               | 1337       | 56        |               |           |
| 535150 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                                | 7                      | 5,824      | 5.5       | 319       |                     |            |           |               |           |
|   | 7                      | 5,824      | 5.5       | 319       | 37                  | 6,870      | 343       |               |           |
|   |                        |            |           |           | DIFF.               | 1046-      | 24-       |               |           |
| 535164 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 33                                | 8                      | 9,805      | 4.8       | 469       |                     |            |           |               |           |
|   | 8                      | 9,805      | 4.8       | 469       | 10                  | 9,662      | 446       |               |           |
|   |                        |            |           |           | DIFF.               | 143        | 23        |               |           |
| 535187 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                | 9                      | 9,701      | 4.9       | 473       |                     |            |           |               |           |
|   | 9                      | 9,701      | 4.9       | 473       | 6                   | 8,808      | 403       |               |           |
|   |                        |            |           |           | DIFF.               | 893        | 70        |               |           |
| 535227 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 35,41                             | 5                      | 8,314      | 4.8       | 403       |                     |            |           |               |           |
|   | 5                      | 8,314      | 4.8       | 403       | 8                   | 8,249      | 426       |               |           |
|   |                        |            |           |           | DIFF.               | 65         | 23-       |               |           |
| 535252 .....                              |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 31-01                            | 8                      | 9,030      | 4.8       | 434       |                     |            |           |               |           |
| STATES- 31,58                             | 8                      | 9,030      | 4.8       | 434       | 15                  | 8,514      | 408       | 8,640         | 415       |
|   |                        |            |           |           | DIFF.               | 516        | 26        |               |           |
| 535256 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 14                                | 5                      | 7,725      | 5.1       | 396       |                     |            |           |               |           |
|   | 5                      | 7,725      | 5.1       | 396       | 20                  | 8,930      | 423       |               |           |
|   |                        |            |           |           | DIFF.               | 1205-      | 27-       |               |           |

## SIREN OF DHIA DAUGHTERS

| GUERNSEY                             | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--------------------------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                                      | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | AV.<br>NUMBER       | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 535257 .....                         |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 23-02                       | 5                      | 9,468      | 4.6       | 438       | 8                   | 9,755      | 483       |               |           |
| STATES- 41                           | 5                      | 9,468      | 4.6       | 438       | DIFF.               | 287-       | 45-       |               |           |
| 535265 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 55                           | 5                      | 10,504     | 5.2       | 547       | 15                  | 10,266     | 508       |               |           |
|                                      | 5                      | 10,504     | 5.2       | 547       | DIFF.               | 238        | 39        |               |           |
| 535271 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 32                           | 9                      | 8,066      | 4.9       | 396       | 15                  | 7,591      | 371       |               |           |
|                                      | 9                      | 8,066      | 4.9       | 396       | DIFF.               | 475        | 25        |               |           |
| 535275 GOLDEN HARVEST K MAJDR.....   |                        |            |           |           |                     |            |           |               |           |
| 05-23-57 329184 1408176              | 9                      | 9,709      | 5.0       | 485       | 10                  | 9,165      | 427       | 8,689         | 430       |
| AI STUD, 31-01 LISTED, 08-63         | 9                      | 9,709      | 5.0       | 485       | DIFF.               | 544        | 58        |               |           |
| STATES- 31                           |                        |            |           |           |                     |            |           |               |           |
| 535314 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 32,72                        | 5                      | 8,248      | 4.6       | 376       | 24                  | 8,304      | 390       |               |           |
|                                      | 5                      | 8,248      | 4.6       | 376       | DIFF.               | 56-        | 14-       |               |           |
| 535338 .....                         |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 35-02                       | 11                     | 10,644     | 4.8       | 509       | 13                  | 9,665      | 467       |               |           |
| STATES- 64,81,82,91,93               | 11                     | 10,644     | 4.8       | 509       | DIFF.               | 979        | 42        |               |           |
| 535396 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                           | 7                      | 10,509     | 4.9       | 519       | 10                  | 9,845      | 490       |               |           |
|                                      | 7                      | 10,509     | 4.9       | 519       | DIFF.               | 664        | 29        |               |           |
| 535544 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                           | 5                      | 9,779      | 5.0       | 485       | 15                  | 10,017     | 493       |               |           |
|                                      | 5                      | 9,779      | 5.0       | 485       | DIFF.               | 238-       | 8-        |               |           |
| 535550 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 47                           | 8                      | 7,936      | 4.9       | 390       | 20                  | 7,883      | 372       |               |           |
|                                      | 7                      | 8,121      | 5.0       | 409       | DIFF.               | 238        | 37        |               |           |
| 535568 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                           | 5                      | 10,008     | 4.5       | 449       | 8                   | 9,234      | 424       |               |           |
|                                      | 5                      | 10,008     | 4.5       | 449       | DIFF.               | 774        | 25        |               |           |
| 535656 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 33                           | 6                      | 8,176      | 5.6       | 454       | 7                   | 9,251      | 514       |               |           |
|                                      | 6                      | 8,176      | 5.6       | 454       | DIFF.               | 1075-      | 60-       |               |           |
| 535658 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                           | 6                      | 8,630      | 4.5       | 391       | 15                  | 7,622      | 356       |               |           |
|                                      | 6                      | 8,630      | 4.5       | 391       | DIFF.               | 1008       | 35        |               |           |
| 535689 WESTLYNN B. COLLEGE KING..... |                        |            |           |           |                     |            |           |               |           |
| 08-17-57 496783 1029751              | 12                     | 7,609      | 5.0       | 380       | 17                  | 7,630      | 374       | 8,379         | 407       |
| AI STUD, 48-01 LISTED, 08-63         | 12                     | 7,609      | 5.0       | 380       | DIFF.               | 21-        | 6         |               |           |
| STATES- 48                           |                        |            |           |           |                     |            |           |               |           |
| 535716 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 34,61                        | 7                      | 7,891      | 5.1       | 403       | 7                   | 8,821      | 399       |               |           |
|                                      | 7                      | 7,891      | 5.1       | 403       | DIFF.               | 930-       | 4         |               |           |
| 535719 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 22,23,51                     | 6                      | 7,713      | 4.9       | 377       | 8                   | 8,179      | 387       |               |           |
|                                      | 6                      | 7,713      | 4.9       | 377       | DIFF.               | 466-       | 10-       |               |           |
| 535761 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 31                           | 6                      | 7,788      | 4.6       | 359       | 16                  | 7,992      | 359       |               |           |
|                                      | 6                      | 7,788      | 4.6       | 359       | DIFF.               | 204-       |           |               |           |
| 535844 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 91                           | 6                      | 9,498      | 4.6       | 437       | 10                  | 8,414      | 422       |               |           |
|                                      | 6                      | 9,498      | 4.6       | 437       | DIFF.               | 1084       | 15        |               |           |
| 535854 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 48                           | 12                     | 9,248      | 5.2       | 482       | 9                   | 8,805      | 466       |               |           |
|                                      | 12                     | 9,248      | 5.2       | 482       | DIFF.               | 443        | 16        |               |           |
| 535865 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 91                           | 7                      | 8,683      | 5.3       | 461       | 10                  | 9,631      | 490       |               |           |
|                                      | 7                      | 8,683      | 5.3       | 461       | DIFF.               | 948-       | 29-       |               |           |
| 535875 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 16,72                        | 8                      | 5,889      | 4.6       | 269       | 51                  | 7,294      | 329       |               |           |
|                                      | 8                      | 5,889      | 4.6       | 269       | DIFF.               | 1405-      | 60-       |               |           |
| 535876 .....                         |                        |            |           |           |                     |            |           |               |           |
| STATES- 72                           | 5                      | 6,432      | 4.7       | 302       | 82                  | 7,446      | 332       |               |           |
|                                      | 5                      | 6,432      | 4.7       | 302       | DIFF.               | 1014-      | 30-       |               |           |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY                     |                                     | AV. PRODUCTION OF DAU. |                  |        |        | ADJ. HERD-MATES AV. |       |        | PREDICTED AV. |           |
|------------------------------|-------------------------------------|------------------------|------------------|--------|--------|---------------------|-------|--------|---------------|-----------|
|                              |                                     | RECORDS                | MILK             | TEST   | FAT    | NUMBER              | MILK  | FAT    | MILK          | FAT       |
|                              |                                     | NUMBER                 | LB               | %      | LB     |                     | LB    | LB     | LB            | LB        |
| 535878                       | .....                               | 9                      | NON-AI DAUGHTERS | 9      | 8,341  | 4.9                 | 408   |        |               |           |
| STATES- 23                   | 9                                   | WITH HERD-MATES        | 9                | 8,341  | 4.9    | 408                 | 23    | 8,302  | 411           | 3-        |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 39     |               |           |
| 535890                       | .....                               | 8                      | NON-AI DAUGHTERS | 8      | 7,375  | 4.9                 | 358   |        |               |           |
| AI STUO, 33-03               | 8                                   | WITH HERD-MATES        | 8                | 7,375  | 4.9    | 358                 | 12    | 7,960  | 383           |           |
| STATES- 14,33,35,65          |                                     |                        |                  |        |        |                     | DIFF. | 585-   | 25-           |           |
| 535894                       | .....                               | 5                      | NON-AI DAUGHTERS | 5      | 10,070 | 4.5                 | 450   |        |               |           |
| STATES- 34                   | 5                                   | WITH HERD-MATES        | 5                | 10,070 | 4.5    | 450                 | 8     | 8,846  | 402           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 1224   | 48            |           |
| 535962                       | .....                               | 9                      | NDN-AI DAUGHTERS | 11     | 8,573  | 4.5                 | 389   |        |               |           |
| STATES- 32,58                | 9                                   | WITH HERD-MATES        | 10               | 8,658  | 4.5    | 393                 | 8     | 8,963  | 418           | 25-       |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 305-   |               |           |
| 535968                       | .....                               | 7                      | NON-AI DAUGHTERS | 7      | 11,387 | 4.9                 | 563   |        |               |           |
| STATES- 91                   | 7                                   | WITH HERD-MATES        | 7                | 11,387 | 4.9    | 563                 | 17    | 11,256 | 527           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 131    | 36            |           |
| 535997                       | .....                               | 5                      | NDN-AI DAUGHTERS | 9      | 9,393  | 4.9                 | 461   |        |               |           |
| STATES- 31                   | 5                                   | WITH HERD-MATES        | 9                | 9,393  | 4.9    | 461                 | 10    | 7,887  | 408           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 1506   | 53            |           |
| 536035                       | .....                               | 6                      | NDN-AI DAUGHTERS | 7      | 8,048  | 4.9                 | 392   |        |               |           |
| STATES- 34                   | 6                                   | WITH HERD-MATES        | 7                | 8,048  | 4.9    | 392                 | 6     | 8,304  | 407           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 256-   | 15-           |           |
| 536052                       | .....                               | 6                      | NON-AI DAUGHTERS | 6      | 7,688  | 4.9                 | 375   |        |               |           |
| STATES- 21                   | 6                                   | WITH HERD-MATES        | 6                | 7,688  | 4.9    | 375                 | 19    | 7,802  | 357           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 114-   | 18            |           |
| 536053                       | .....                               | 5                      | NON-AI DAUGHTERS | 5      | 10,802 | 4.7                 | 509   |        |               |           |
| STATES- 11,12,14             | 5                                   | WITH HERD-MATES        | 5                | 10,802 | 4.7    | 509                 | 20    | 10,354 | 508           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 448    | 1             |           |
| 536098                       | .....                               | 8                      | NDN-AI DAUGHTERS | 8      | 7,811  | 4.8                 | 372   |        |               |           |
| STATES- 57                   | 8                                   | WITH HERD-MATES        | 8                | 7,811  | 4.8    | 372                 | 8     | 7,372  | 366           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 439    | 6             |           |
| 536118                       | .....                               | 6                      | AI DAUGHTERS     | 6      | 8,037  | 4.8                 | 387   |        |               |           |
| AI STUD, 48-01               | 6                                   | WITH HERD-MATES        | 6                | 8,037  | 4.8    | 387                 | 25    | 7,185  | 350           | 8,670 416 |
| STATES- 48                   |                                     |                        |                  |        |        |                     | DIFF. | 852    | 37            |           |
| 536188                       | .....                               | 8                      | NON-AI DAUGHTERS | 8      | 7,734  | 5.4                 | 420   |        |               |           |
| STATES- 33                   | 8                                   | WITH HERD-MATES        | 8                | 7,734  | 5.4    | 420                 | 6     | 8,770  | 452           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 1036-  | 32-           |           |
| 536206                       | .....                               | 7                      | NON-AI DAUGHTERS | 8      | 8,478  | 4.9                 | 412   |        |               |           |
| AI STUD, 61-01               | 7                                   | WITH HERD-MATES        | 8                | 8,478  | 4.9    | 412                 | 18    | 8,128  | 362           |           |
| STATES- 61                   |                                     |                        |                  |        |        |                     | DIFF. | 350    | 50            |           |
| 536216                       | .....                               | 7                      | NON-AI DAUGHTERS | 7      | 7,227  | 4.4                 | 321   |        |               |           |
| STATES- 23                   | 7                                   | WITH HERD-MATES        | 7                | 7,227  | 4.4    | 321                 | 26    | 9,132  | 430           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 1905-  | 109-          |           |
| 536219                       | .....                               | 6                      | NON-AI DAUGHTERS | 8      | 8,503  | 5.0                 | 429   |        |               |           |
| STATES- 22,23                | 6                                   | WITH HERD-MATES        | 8                | 8,503  | 5.0    | 429                 | 24    | 8,874  | 452           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 371-   | 23-           |           |
| 536269                       | FLYING HORSE HARMONY ROYALMDST..... | 84                     | AI DAUGHTERS     | 84     | 8,634  | 4.7                 | 409   |        |               |           |
| 05-28-57 467844 1349127      | 80                                  | WITH HERD-MATES        | 82               | 8,682  | 4.7    | 412                 | 34    | 8,480  | 394           | 8,608 420 |
| AI STUD, 31-02 LISTED, 08-63 | 79                                  |                        |                  |        |        |                     | DIFF. | 202    | 18            |           |
| STATES- 31,32,33,55,56,64    |                                     |                        |                  |        |        |                     |       |        |               |           |
| 536280                       | .....                               | 10                     | NON-AI DAUGHTERS | 10     | 8,763  | 4.9                 | 429   |        |               |           |
| STATES- 56                   | 10                                  | WITH HERD-MATES        | 10               | 8,763  | 4.9    | 429                 | 17    | 8,927  | 418           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 164-   | 11            |           |
| 536281                       | .....                               | 5                      | NON-AI DAUGHTERS | 5      | 7,290  | 4.5                 | 328   |        |               |           |
| STATES- 56                   | 5                                   | WITH HERD-MATES        | 5                | 7,290  | 4.5    | 328                 | 13    | 7,259  | 330           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 31     | 2-            |           |
| 536351                       | .....                               | 9                      | NON-AI DAUGHTERS | 9      | 7,866  | 4.4                 | 345   |        |               |           |
| STATES- 63                   | 9                                   | WITH HERD-MATES        | 9                | 7,866  | 4.4    | 345                 | 12    | 8,335  | 387           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 469-   | 42-           |           |
| 536408                       | .....                               | 8                      | NON-AI DAUGHTERS | 8      | 9,605  | 4.6                 | 444   |        |               |           |
| STATES- 65                   | 8                                   | WITH HERD-MATES        | 8                | 9,605  | 4.6    | 444                 | 25    | 9,528  | 438           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 77     | 6             |           |
| 536419                       | .....                               | 5                      | NON-AI DAUGHTERS | 7      | 9,457  | 4.8                 | 452   |        |               |           |
| STATES- 85                   | 5                                   | WITH HERD-MATES        | 7                | 9,457  | 4.8    | 452                 | 38    | 9,643  | 464           |           |
|                              |                                     |                        |                  |        |        |                     | DIFF. | 186-   | 12-           |           |

## SIRFS OF OHIA DAUGHTERS

| SIRFS OF DAUGHTERS |                             |               |                  | AV. RECORDS      | PRODUCTION | OF     | DAU. | AOJ.   | HERD-MATES | AV.    | PREDICTED |           |
|--------------------|-----------------------------|---------------|------------------|------------------|------------|--------|------|--------|------------|--------|-----------|-----------|
| GUERNSEY           |                             |               |                  | NUMBER           | MILK       | TFST   | FAT  | AV.    | MILK       | FAT    | MILK      | FAT       |
|                    |                             |               |                  |                  | LB         | %      | LB   | NJM8ER | LB         | LB     | LB        | LB        |
| 536421             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 82,91                       | 5             | NON-AI DAUGHTERS | 5                | 9,692      | 5.4    | 527  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 5                | 9,692      | 5.4    | 527  | 30     | 10,327     | 496    |           |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 635-       | 31     |           |           |
| 536475             | HANSENAREA MOTEL.....       |               |                  |                  |            |        |      |        |            |        |           |           |
| 11-07-57           | 425345                      | 1531468       | 75               | AI DAUGHTERS     | 80         | 9,511  | 4.8  | 453    |            |        |           |           |
| AI STUD,           | 21-01                       | LISTED, 08-63 | 75               | WITH HERD-MATES  | 80         | 9,511  | 4.8  | 453    | 16         | 9,221  | 435       | 8,747 423 |
| STATES-            | 13,16,21                    |               |                  |                  |            |        |      |        | DIFF.      | 290    | 18        |           |
| 536488             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 48                          | 12            | NON-AI DAUGHTERS | 12               | 6,796      | 4.5    | 308  |        |            |        |           |           |
|                    |                             | 12            | WITH HERD-MATES  | 12               | 6,796      | 4.5    | 308  | 8      | 6,770      | 316    | 8-        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 26         |        |           |           |
| 536529             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 35                          | 5             | NON-AI DAUGHTERS | 5                | 9,006      | 4.6    | 417  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 5                | 9,006      | 4.6    | 417  | 21     | 9,759      | 473    |           |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 753-       | 56-    |           |           |
| 536530             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 35                          | 5             | NDN-AI DAUGHTERS | 5                | 6,814      | 4.6    | 312  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 5                | 6,814      | 4.6    | 312  | 7      | 8,550      | 391    |           |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 1736-      | 79-    |           |           |
| 536589             | MISS LILY-S NFPTUNE.....    |               |                  |                  |            |        |      |        |            |        |           |           |
| 10-19-57           | 439587                      | 1755572       | 12               | NON-AI DAUGHTERS | 14         | 12,042 | 4.9  | 592    |            |        |           |           |
|                    | LISTED, 08-63               |               | 12               | WITH HERD-MATES  | 13         | 11,899 | 4.9  | 586    | 12         | 11,589 | 558       |           |
| STATES-            | 21,23                       |               |                  |                  |            |        |      |        | DIFF.      | 310    | 28        |           |
| 536597             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 31,58                       | 8             | NDN-AI DAUGHTERS | 8                | 9,026      | 4.8    | 431  |        |            |        |           |           |
|                    |                             | 8             | WITH HERD-MATES  | 8                | 9,026      | 4.8    | 431  | 35     | 9,232      | 422    | 9         |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 206-       |        |           |           |
| 536642             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 35                          | 5             | NON-AI DAUGHTERS | 6                | 9,596      | 4.7    | 447  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 6                | 9,596      | 4.7    | 447  | 14     | 8,513      | 414    | 33        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 1083       |        |           |           |
| 536657             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 14,16,57                    | 7             | NON-AI DAUGHTERS | 8                | 9,684      | 4.9    | 479  |        |            |        |           |           |
|                    |                             | 7             | WITH HERD-MATES  | 8                | 9,684      | 4.9    | 479  | 13     | 9,617      | 459    | 20        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 67         |        |           |           |
| 536664             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 91                          | 5             | NDN-AI DAUGHTERS | 6                | 10,686     | 5.2    | 554  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 6                | 10,686     | 5.2    | 554  | 45     | 10,840     | 536    | 18        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 154-       |        |           |           |
| 536665             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 82                          | 7             | NDN-AI DAUGHTERS | 7                | 8,317      | 4.7    | 388  |        |            |        |           |           |
|                    |                             | 7             | WITH HERD-MATES  | 7                | 8,317      | 4.7    | 388  | 12     | 7,729      | 360    | 28        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 588        |        |           |           |
| 536701             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 41                          | 8             | NDN-AI DAUGHTERS | 8                | 8,775      | 5.2    | 457  |        |            |        |           |           |
|                    |                             | 8             | WITH HERD-MATES  | 8                | 8,775      | 5.2    | 457  | 9      | 8,759      | 456    | 1         |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 16         |        |           |           |
| 536751             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 71,72                       | 6             | NON-AI DAUGHTERS | 6                | 7,465      | 4.6    | 346  |        |            |        |           |           |
|                    |                             | 6             | WITH HERD-MATES  | 6                | 7,465      | 4.6    | 346  | 53     | 6,842      | 311    | 35        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 623        |        |           |           |
| 536865             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 32,34                       | 5             | NON-AI DAUGHTERS | 6                | 10,525     | 5.1    | 534  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 6                | 10,525     | 5.1    | 534  | 7      | 9,063      | 455    | 79        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 1462       |        |           |           |
| 536875             | WANDERING BROOK MO-MAR..... |               |                  |                  |            |        |      |        |            |        |           |           |
| 09-23-57           | 425345                      | 1006799       | 67               | AI DAUGHTERS     | 70         | 9,514  | 4.9  | 465    |            |        |           |           |
| AI STUD,           | 16-04                       | LISTED, 08-63 | 64               | WITH HERD-MATES  | 67         | 9,566  | 4.9  | 468    | 14         | 9,368  | 454       | 8,675 421 |
| STATES-            | 13,14,16,21,23              |               |                  |                  |            |        |      |        | DIFF.      | 198    | 14        |           |
| 536883             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 56                          | 7             | NON-AI DAUGHTERS | 9                | 7,522      | 4.3    | 327  |        |            |        |           |           |
|                    |                             | 7             | WITH HERD-MATES  | 9                | 7,522      | 4.3    | 327  | 30     | 7,273      | 323    | 4         |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 249        |        |           |           |
| 536893             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 23                          | 5             | NON-AI DAUGHTERS | 6                | 10,139     | 4.9    | 495  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 6                | 10,139     | 4.9    | 495  | 14     | 9,931      | 498    | 3-        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 208        |        |           |           |
| 536926             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 31                          | 7             | NON-AI DAUGHTERS | 8                | 7,067      | 4.9    | 349  |        |            |        |           |           |
|                    |                             | 6             | WITH HERD-MATES  | 7                | 7,396      | 4.9    | 359  | 5      | 7,665      | 346    | 13        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 267-       |        |           |           |
| 536976             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 82,91                       | 8             | NDN-AI DAUGHTERS | 8                | 9,199      | 4.8    | 440  |        |            |        |           |           |
|                    |                             | 8             | WITH HERD-MATES  | 8                | 9,199      | 4.8    | 440  | 20     | 9,416      | 460    | 20-       |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 217-       |        |           |           |
| 536983             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 93                          | 5             | NDN-AI DAUGHTERS | 5                | 10,420     | 4.8    | 500  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 5                | 10,420     | 4.8    | 500  | 49     | 11,200     | 530    | 30-       |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 780-       |        |           |           |
| 537036             | .....                       |               |                  |                  |            |        |      |        |            |        |           |           |
| STATES-            | 34                          | 5             | NDN-AI DAUGHTERS | 5                | 8,872      | 4.8    | 429  |        |            |        |           |           |
|                    |                             | 5             | WITH HERD-MATES  | 5                | 8,872      | 4.8    | 429  | 8      | 8,708      | 431    | 2-        |           |
|                    |                             |               |                  |                  |            |        |      | DIFF.  | 164        |        |           |           |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY                                  | AV. PRODUCTION OF DAU. |                  |        |        | ADJ. AV. NUMBER | HERD-MATES |             | AV. FAT L8 | PREDICTED AV. |           |
|---|------------------------|------------------|--------|--------|-----------------|------------|-------------|------------|---------------|-----------|
|   | RECORDS NUMBER         | MILK L8          | TEST % | FAT L8 |                 | MILK L8    | FAT L8      |            | MILK L8       | FAT L8    |
| 537047 .....                              | 11                     | AI DAUGHTERS     | 11     | 9,317  | 4.9             | 453        |             |            |               |           |
| AI STUD, 92-01                            | 11                     | WITH HERD-MATES  | 11     | 9,317  | 4.9             | 453        | 10          | 9,144      | 447           | 8,545 410 |
| STATES- 92                                |                        |                  |        |        |                 |            | DIFF. 173   | 6          |               |           |
| 537082 .....                              | 6                      | NON-AI DAUGHTERS | 7      | 9,691  | 5.2             | 504        |             |            |               |           |
| STATES- 82                                | 6                      | WITH HERD-MATES  | 7      | 9,691  | 5.2             | 504        | 5           | 9,696      | 461           |           |
|   |                        |                  |        |        |                 |            | DIFF. 5-    | 43         |               |           |
| 537110 .....                              | 5                      | NON-AI DAUGHTERS | 5      | 7,302  | 5.1             | 374        |             |            |               |           |
| STATES- 35                                | 5                      | WITH HERD-MATES  | 5      | 7,302  | 5.1             | 374        | 12          | 8,100      | 406           |           |
|   |                        |                  |        |        |                 |            | DIFF. 798-  | 32-        |               |           |
| 537170 .....                              | 6                      | NON-AI DAUGHTERS | 6      | 8,358  | 5.3             | 446        |             |            |               |           |
| STATES- 33                                | 6                      | WITH HERD-MATES  | 6      | 8,358  | 5.3             | 446        | 6           | 7,889      | 416           |           |
|   |                        |                  |        |        |                 |            | DIFF. 469   | 30         |               |           |
| 537211 .....                              | 7                      | NON-AI DAUGHTERS | 7      | 8,606  | 4.6             | 397        |             |            |               |           |
| STATES- 48                                | 7                      | WITH HERD-MATES  | 7      | 8,606  | 4.6             | 397        | 2           | 8,249      | 379           |           |
|   |                        |                  |        |        |                 |            | DIFF. 357   | 18         |               |           |
| 537252 .....                              | 6                      | NON-AI DAUGHTERS | 6      | 9,555  | 5.3             | 510        |             |            |               |           |
| STATES- 22,23                             | 6                      | WITH HERD-MATES  | 6      | 9,555  | 5.3             | 510        | 19          | 8,904      | 446           |           |
|   |                        |                  |        |        |                 |            | DIFF. 651   | 64         |               |           |
| 537299 GOLDEN HARVEST F GLADSTONE.....    | 19                     | AI DAUGHTERS     | 19     | 8,897  | 4.8             | 431        |             |            |               |           |
| 07-31-57 507847 1609367                   | 19                     | WITH HERD-MATES  | 19     | 8,897  | 4.8             | 431        | 12          | 9,371      | 465           | 8,182 388 |
| AI STUD, 91-01 LISTED, 08-63              | 18                     |                  | 18     | 8,863  | 4.9             | 430        | DIFF. 508-  | 35-        |               |           |
| STATES- 91                                |                        |                  |        |        |                 |            |             |            |               |           |
| 537307 .....                              | 5                      | NON-AI DAUGHTERS | 6      | 9,994  | 4.9             | 490        |             |            |               |           |
| STATES- 22,23                             | 5                      | WITH HERD-MATES  | 6      | 9,994  | 4.9             | 490        | 20          | 10,637     | 498           |           |
|   |                        |                  |        |        |                 |            | DIFF. 643-  | 8-         |               |           |
| 537314 .....                              | 6                      | NON-AI DAUGHTERS | 6      | 8,212  | 4.8             | 398        |             |            |               |           |
| STATES- 21                                | 6                      | WITH HERD-MATES  | 6      | 8,212  | 4.8             | 398        | 25          | 8,438      | 423           |           |
|   |                        |                  |        |        |                 |            | DIFF. 226-  | 25-        |               |           |
| 537347 FRANCHESTER TRANSFER-S JESTER..... | 3                      | AI DAUGHTERS     | 3      | 5,400  | 4.8             | 257        |             |            |               |           |
| 07-10-57 453207 734290                    | 3                      | WITH HERD-MATES  | 3      | 5,400  | 4.8             | 257        | 2           | 7,479      | 358           | 7,995 384 |
| AI STUD, 31-01 LISTED, 08-63              | 3                      |                  |        |        |                 |            | DIFF. 2079- | 101-       |               |           |
| STATES- 16,31                             | 10                     | NON-AI DAUGHTERS | 12     | 9,679  | 5.0             | 481        | 53          | 10,039     | 512           |           |
|   | 10                     | WITH HERD-MATES  | 12     | 9,679  | 5.0             | 481        | DIFF. 360-  | 31-        |               |           |
| 537360 .....                              | 5                      | NON-AI DAUGHTERS | 5      | 8,706  | 4.4             | 383        |             |            |               |           |
| STATES- 31                                | 5                      | WITH HERD-MATES  | 5      | 8,706  | 4.4             | 383        | 6           | 9,156      | 422           |           |
|   |                        |                  |        |        |                 |            | DIFF. 450-  | 39-        |               |           |
| 537377 .....                              | 5                      | NON-AI DAUGHTERS | 5      | 7,492  | 5.0             | 374        |             |            |               |           |
| STATES- 35                                | 5                      | WITH HERD-MATES  | 5      | 7,492  | 5.0             | 374        | 8           | 8,849      | 395           |           |
|   |                        |                  |        |        |                 |            | DIFF. 1357- | 21-        |               |           |
| 537398 .....                              | 8                      | AI DAUGHTERS     | 8      | 8,905  | 4.7             | 421        |             |            |               |           |
| AI STUD, 33-02                            | 8                      | WITH HERD-MATES  | 8      | 8,905  | 4.7             | 421        | 8           | 8,815      | 425           | 8,481 404 |
| STATES- 33                                |                        |                  |        |        |                 |            | DIFF. 90    | 4-         |               |           |
| 537401 .....                              | 6                      | NON-AI DAUGHTERS | 6      | 11,480 | 5.1             | 582        |             |            |               |           |
| STATES- 31                                | 6                      | WITH HERD-MATES  | 6      | 11,480 | 5.1             | 582        | 30          | 9,364      | 462           |           |
|   |                        |                  |        |        |                 |            | DIFF. 2116  | 120        |               |           |
| 537405 .....                              | 5                      | NON-AI DAUGHTERS | 5      | 9,388  | 5.1             | 476        |             |            |               |           |
| STATES- 35                                | 5                      | WITH HERD-MATES  | 5      | 9,388  | 5.1             | 476        | 11          | 8,207      | 402           |           |
|   |                        |                  |        |        |                 |            | DIFF. 1181  | 74         |               |           |
| 537467 .....                              | 6                      | NON-AI DAUGHTERS | 6      | 8,625  | 4.7             | 403        |             |            |               |           |
| STATES- 23                                | 6                      | WITH HERD-MATES  | 6      | 8,625  | 4.7             | 403        | 6           | 8,104      | 390           |           |
|   |                        |                  |        |        |                 |            | DIFF. 521   | 13         |               |           |
| 537471 .....                              | 6                      | NON-AI DAUGHTERS | 6      | 9,792  | 5.1             | 500        |             |            |               |           |
| STATES- 42                                | 6                      | WITH HERD-MATES  | 6      | 9,792  | 5.1             | 500        | 8           | 8,186      | 417           |           |
|   |                        |                  |        |        |                 |            | DIFF. 1606  | 83         |               |           |
| 537515 .....                              | 6                      | NON-AI DAUGHTERS | 6      | 9,027  | 4.7             | 423        |             |            |               |           |
| STATES- 32                                | 6                      | WITH HERD-MATES  | 6      | 9,027  | 4.7             | 423        | 11          | 9,007      | 420           |           |
|   |                        |                  |        |        |                 |            | DIFF. 20    | 3          |               |           |
| 537541 .....                              | 7                      | NON-AI DAUGHTERS | 7      | 10,441 | 4.5             | 468        |             |            |               |           |
| STATES- 23                                | 7                      | WITH HERD-MATES  | 7      | 10,441 | 4.5             | 468        | 18          | 9,352      | 448           |           |
|   |                        |                  |        |        |                 |            | DIFF. 1089  | 20         |               |           |
| 537574 .....                              | 13                     | NON-AI DAUGHTERS | 14     | 10,550 | 4.3             | 451        |             |            |               |           |
| STATES- 63                                | 13                     | WITH HERD-MATES  | 14     | 10,550 | 4.3             | 451        | 19          | 8,274      | 393           |           |
|   |                        |                  |        |        |                 |            | DIFF. 2276  | 58         |               |           |



## SIRE OF DHIA DAUGHTERS

| GUERNSEY                     |                                 | AV. RECORDS     | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|------------------------------|---------------------------------|-----------------|--------------------|-----------|-------------|------------------|--------------------|------------|-------------------|------------|
| 537575                       | .....                           | 5               | NON-AI DAUGHTERS   | 6         | 9,672       | 4.9              | 473                |            |                   |            |
| STATES- 33                   | 5 WITH HERD-MATES               | 6               | 9,672              | 4.9       | 473         | 12 DIFF.         | 9,196 476          | 447 26     |                   |            |
| 537591                       | .....                           | 5               | NON-AI DAUGHTERS   | 6         | 10,279      | 5.4              | 554                |            |                   |            |
| STATES- 23                   | 5 WITH HERD-MATES               | 6               | 10,279             | 5.4       | 554         | 29 DIFF.         | 9,357 922          | 478 76     |                   |            |
| 537608                       | .....                           | 5               | NON-AI DAUGHTERS   | 5         | 8,616       | 4.1              | 354                |            |                   |            |
| STATES- 52                   | 5 WITH HERD-MATES               | 5               | 8,616              | 4.1       | 354         | 18 DIFF.         | 10,588 1972-       | 496 142-   |                   |            |
| 537609                       | .....                           | 5               | NON-AI DAUGHTERS   | 5         | 8,630       | 4.8              | 411                |            |                   |            |
| STATES- 52,61                | 5 WITH HERD-MATES               | 5               | 8,630              | 4.8       | 411         | 36 DIFF.         | 8,948 318-         | 432 21-    |                   |            |
| 537639                       | .....                           | 6               | NON-AI DAUGHTERS   | 6         | 9,958       | 4.6              | 458                |            |                   |            |
| STATES- 21                   | 5 WITH HERD-MATES               | 5               | 11,036             | 4.7       | 514         | 12 DIFF.         | 9,746 1290         | 448 66     |                   |            |
| 537665                       | .....                           | 5               | NON-AI DAUGHTERS   | 7         | 10,011      | 4.6              | 465                |            |                   |            |
| STATES- 33                   | 5 WITH HERD-MATES               | 7               | 10,011             | 4.6       | 465         | 7 DIFF.          | 8,915 1096         | 425 40     |                   |            |
| 537742                       | .....                           | 6               | NON-AI DAUGHTERS   | 8         | 8,171       | 4.8              | 390                |            |                   |            |
| STATES- 83                   | 5 WITH HERD-MATES               | 7               | 8,307              | 4.7       | 388         | 5 DIFF.          | 8,243 64           | 413 25-    |                   |            |
| 537790                       | .....                           | 5               | NON-AI DAUGHTERS   | 5         | 8,372       | 4.9              | 408                |            |                   |            |
| STATES- 23                   | 5 WITH HERD-MATES               | 5               | 8,372              | 4.9       | 408         | 24 DIFF.         | 7,465 907          | 350 58     |                   |            |
| 537869                       | .....                           | 6               | NON-AI DAUGHTERS   | 6         | 8,773       | 4.3              | 376                |            |                   |            |
| STATES- 86                   | 6 WITH HERD-MATES               | 6               | 8,773              | 4.3       | 376         | 49 DIFF.         | 9,733 960-         | 434 58-    |                   |            |
| 537882                       | .....                           | 5               | NON-AI DAUGHTERS   | 5         | 8,358       | 4.7              | 391                |            |                   |            |
| STATES- 32                   | 5 WITH HERD-MATES               | 5               | 8,358              | 4.7       | 391         | 7 DIFF.          | 7,709 649          | 368 23     |                   |            |
| 537889                       | .....                           | 9               | NON-AI DAUGHTERS   | 9         | 7,410       | 5.1              | 380                |            |                   |            |
| STATES- 32                   | 9 WITH HERD-MATES               | 9               | 7,410              | 5.1       | 380         | 6 DIFF.          | 8,548 1138-        | 414 34-    |                   |            |
| 537914                       | .....                           | 7               | NON-AI DAUGHTERS   | 7         | 8,536       | 4.6              | 394                |            |                   |            |
| STATES- 42                   | 7 WITH HERD-MATES               | 7               | 8,536              | 4.6       | 394         | 10 DIFF.         | 8,950 414-         | 428 34-    |                   |            |
| 537921                       | .....                           | 8               | NON-AI DAUGHTERS   | 8         | 8,051       | 5.4              | 431                |            |                   |            |
| STATES- 23                   | 8 WITH HERD-MATES               | 8               | 8,051              | 5.4       | 431         | 13 DIFF.         | 9,251 1200-        | 469 38-    |                   |            |
| 537923                       | .....                           | 6               | NON-AI DAUGHTERS   | 8         | 10,207      | 4.7              | 476                |            |                   |            |
| STATES- 82,92                | 6 WITH HERD-MATES               | 8               | 10,207             | 4.7       | 476         | 11 DIFF.         | 8,862 1345         | 426 50     |                   |            |
| 537932                       | HIGH MEADOWS ATLAS.....         |                 |                    |           |             |                  |                    |            |                   |            |
| 12-30-57                     | 518779 798564                   | 32              | AI DAUGHTERS       | 37        | 8,602       | 4.7              | 406                |            |                   |            |
| AI STUD, 23-02 LISTED, 08-63 | 32                              | WITH HERD-MATES | 37                 | 8,602     | 4.7         | 406              | 11 DIFF.           | 8,928 326- | 427 21-           | 8,231 391  |
| STATES- 23                   |                                 |                 |                    |           |             |                  |                    |            |                   |            |
| 537987                       | .....                           | 6               | NON-AI DAUGHTERS   | 6         | 9,535       | 4.9              | 470                |            |                   |            |
| STATES- 31                   | 6 WITH HERD-MATES               | 6               | 9,535              | 4.9       | 470         | 13 DIFF.         | 9,146 389          | 436 34     |                   |            |
| 538002                       | .....                           | 6               | NON-AI DAUGHTERS   | 7         | 7,067       | 5.0              | 354                |            |                   |            |
| STATES- 23                   | 6 WITH HERD-MATES               | 7               | 7,067              | 5.0       | 354         | 13 DIFF.         | 8,300 1233-        | 407 53-    |                   |            |
| 538021                       | WILLow SPRING 8FT. SUPREME..... |                 |                    |           |             |                  |                    |            |                   |            |
| 04-07-56                     | 475595 1339128                  | 14              | NON-AI DAUGHTERS   | 20        | 9,451       | 5.2              | 488                |            |                   |            |
| AI STUD, 12-03 LISTED, 08-63 | 14                              | WITH HERD-MATES | 20                 | 9,451     | 5.2         | 488              | 4 DIFF.            | 9,333 118  | 468 20            |            |
| STATES- 32,34                |                                 |                 |                    |           |             |                  |                    |            |                   |            |
| 538025                       | .....                           | 7               | NON-AI DAUGHTERS   | 7         | 9,741       | 4.6              | 452                |            |                   |            |
| STATES- 33                   | 7 WITH HERD-MATES               | 7               | 9,741              | 4.6       | 452         | 3 DIFF.          | 10,031 290-        | 490 38-    |                   |            |
| 538053                       | .....                           | 7               | NON-AI DAUGHTERS   | 10        | 7,135       | 5.3              | 379                |            |                   |            |
| STATES- 21                   | 7 WITH HERD-MATES               | 10              | 7,135              | 5.3       | 379         | 25 DIFF.         | 9,640 2505-        | 476 97-    |                   |            |
| 538095                       | .....                           | 14              | NON-AI DAUGHTERS   | 14        | 9,492       | 4.5              | 429                |            |                   |            |
| STATES- 23                   | 14 WITH HERD-MATES              | 14              | 9,492              | 4.5       | 429         | 23 DIFF.         | 9,503 11-          | 473 44-    |                   |            |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |                |            | PREDICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|----------------|------------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB     | FAT<br>LB  | MILK<br>LB    | FAT<br>LB |
| 538119 BRDDKDELL KING HERDD.....                |                        |            |           |           |                     |                |            |               |           |
| 10-21-57 425345 1426225 42 AI DAUGHTERS         | 42                     | 9,390      | 4.9       | 458       |                     |                |            |               |           |
| AI STUD, 21-01 LISTED, 08-63 40 WITH HERD-MATES | 40                     | 9,418      | 4.9       | 461       |                     |                |            |               |           |
| STATES- 16,21,23                                |                        |            |           |           | 20<br>DIFF.         | 9,370<br>48    | 454<br>7   | 8,538         | 414       |
| 538153 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 11 AI DAUGHTERS                                 | 11                     | 7,564      | 5.1       | 383       |                     |                |            |               |           |
| AI STUD, 23-02 9 WITH HERD-MATES                | 9                      | 7,309      | 5.2       | 382       | 11<br>DIFF.         | 8,777<br>1468- | 430<br>48- | 7,828         | 386       |
| STATES- 23                                      |                        |            |           |           |                     |                |            |               |           |
| 538167 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 5                      | 8,802      | 4.0       | 348       |                     |                |            |               |           |
| STATES- 32 5 WITH HERD-MATES                    | 5                      | 8,802      | 4.0       | 348       | 13<br>DIFF.         | 7,815<br>987   | 351<br>3-  |               |           |
| 538247 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 5                      | 9,588      | 4.9       | 467       |                     |                |            |               |           |
| STATES- 43 5 WITH HERD-MATES                    | 5                      | 9,588      | 4.9       | 467       | 12<br>DIFF.         | 8,544<br>1044  | 413<br>54  |               |           |
| 538249 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 5                      | 11,704     | 4.5       | 522       |                     |                |            |               |           |
| STATES- 43 5 WITH HERD-MATES                    | 5                      | 11,704     | 4.5       | 522       | 53<br>DIFF.         | 11,135<br>569  | 531<br>9-  |               |           |
| 538258 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 6 NDN-AI DAUGHTERS                              | 6                      | 7,947      | 5.2       | 411       |                     |                |            |               |           |
| STATES- 32 6 WITH HERD-MATES                    | 6                      | 7,947      | 5.2       | 411       | 4<br>DIFF.          | 7,581<br>366   | 377<br>34  |               |           |
| 538269 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 7 NON-AI DAUGHTERS                              | 8                      | 11,199     | 4.8       | 532       |                     |                |            |               |           |
| STATES- 31 6 WITH HERD-MATES                    | 7                      | 11,215     | 4.8       | 536       | 6<br>DIFF.          | 9,722<br>1493  | 468<br>68  |               |           |
| 538422 FAIRLAWN HDRNET-S GALLANT.....           |                        |            |           |           |                     |                |            |               |           |
| 11-06-57 362352 1211583 21 AI DAUGHTERS         | 22                     | 8,269      | 4.9       | 409       |                     |                |            |               |           |
| AI STUD, 11-01 LISTED, 08-63 20 WITH HERD-MATES | 21                     | 8,213      | 5.0       | 409       | 6<br>DIFF.          | 9,412<br>1199- | 453<br>44- | 7,747         | 381       |
| STATES- 11                                      |                        |            |           |           |                     |                |            |               |           |
| 538424 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 5                      | 7,686      | 4.9       | 375       |                     |                |            |               |           |
| STATES- 21 5 WITH HERD-MATES                    | 5                      | 7,686      | 4.9       | 375       | 16<br>DIFF.         | 7,837<br>151-  | 351<br>24  |               |           |
| 538440 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 9                      | 10,163     | 5.5       | 557       |                     |                |            |               |           |
| STATES- 32 5 WITH HERD-MATES                    | 8                      | 9,596      | 5.5       | 529       | 12<br>DIFF.         | 9,555<br>41    | 462<br>67  |               |           |
| 538479 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 6 NDN-AI DAUGHTERS                              | 7                      | 7,217      | 4.7       | 342       |                     |                |            |               |           |
| STATES- 11 6 WITH HERD-MATES                    | 7                      | 7,217      | 4.7       | 342       | 12<br>DIFF.         | 6,679<br>538   | 333<br>9   |               |           |
| 538530 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 7 NDN-AI DAUGHTERS                              | 7                      | 7,759      | 4.7       | 365       |                     |                |            |               |           |
| STATES- 41 7 WITH HERD-MATES                    | 7                      | 7,759      | 4.7       | 365       | 6<br>DIFF.          | 8,690<br>931-  | 424<br>59- |               |           |
| 538531 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 10 NDN-AI DAUGHTERS                             | 11                     | 9,963      | 5.0       | 496       |                     |                |            |               |           |
| STATES- 23 10 WITH HERD-MATES                   | 11                     | 9,963      | 5.0       | 496       | 6<br>DIFF.          | 8,960<br>1003  | 444<br>52  |               |           |
| 538532 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 10 NDN-AI DAUGHTERS                             | 10                     | 7,832      | 5.4       | 424       |                     |                |            |               |           |
| STATES- 23 10 WITH HERD-MATES                   | 10                     | 7,832      | 5.4       | 424       | 17<br>DIFF.         | 9,345<br>1513- | 472<br>48- |               |           |
| 538533 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 5                      | 8,790      | 4.6       | 404       |                     |                |            |               |           |
| STATES- 23 5 WITH HERD-MATES                    | 5                      | 8,790      | 4.6       | 404       | 14<br>DIFF.         | 9,322<br>532-  | 417<br>13- |               |           |
| 538568 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 5                      | 9,270      | 4.7       | 440       |                     |                |            |               |           |
| STATES- 23 5 WITH HERD-MATES                    | 5                      | 9,270      | 4.7       | 440       | 13<br>DIFF.         | 9,892<br>622-  | 481<br>41- |               |           |
| 538590 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 9 NDN-AI DAUGHTERS                              | 9                      | 10,494     | 4.9       | 509       |                     |                |            |               |           |
| STATES- 56,57,64 9 WITH HERD-MATES              | 9                      | 10,494     | 4.9       | 509       | 32<br>DIFF.         | 10,409<br>85   | 500<br>9   |               |           |
| 538645 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 6 NDN-AI DAUGHTERS                              | 9                      | 10,878     | 4.7       | 515       |                     |                |            |               |           |
| STATES- 23 6 WITH HERD-MATES                    | 9                      | 10,878     | 4.7       | 515       | 18<br>DIFF.         | 9,907<br>971   | 498<br>17  |               |           |
| 538700 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NON-AI DAUGHTERS                              | 5                      | 7,374      | 4.0       | 293       |                     |                |            |               |           |
| STATES- 65 4 WITH HERD-MATES                    | 4                      | 7,645      | 4.0       | 305       | 14<br>DIFF.         | 7,460<br>185   | 319<br>14- |               |           |
| 538742 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 6 NON-AI DAUGHTERS                              | 8                      | 9,965      | 4.9       | 484       |                     |                |            |               |           |
| STATES- 31 6 WITH HERD-MATES                    | 8                      | 9,965      | 4.9       | 484       | 5<br>DIFF.          | 9,568<br>397   | 462<br>22  |               |           |
| 538782 .....                                    |                        |            |           |           |                     |                |            |               |           |
| 5 NDN-AI DAUGHTERS                              | 5                      | 11,872     | 5.3       | 635       |                     |                |            |               |           |
| STATES- 35 5 WITH HERD-MATES                    | 5                      | 11,872     | 5.3       | 635       | 12<br>DIFF.         | 9,168<br>2704  | 467<br>168 |               |           |

| STRES OF DHTA DAUGHTERS |       |    |                  | AV. RECORDS | PRODUCTION MILK | OF TEST | DAU. FAT | ADJ. AV. NUMBER | HERD-MATES MILK | AV. FAT | PREDICTED MILK | AV. FAT |
|-------------------------|-------|----|------------------|-------------|-----------------|---------|----------|-----------------|-----------------|---------|----------------|---------|
| GUERNSEY                |       |    |                  | NUMBER      | LB              | %       | LB       | NUMBER          | LB              | LB      | LB             | LB      |
| 538787                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 31    | 5  | NON-AI DAUGHTERS | 5           | 9,482           | 5.0     | 477      |                 |                 |         |                |         |
|                         |       | 5  | WITH HERD-MATES  | 5           | 9,482           | 5.0     | 477      | 7               | 9,001           | 453     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 481             | 24      |                |         |
| 538806                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 61,63 | 10 | NON-AI DAUGHTERS | 10          | 8,383           | 5.2     | 433      |                 |                 |         |                |         |
|                         |       | 10 | WITH HERD-MATES  | 10          | 8,383           | 5.2     | 433      | 35              | 8,665           | 436     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 282-            | 3-      |                |         |
| 538808                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 73    | 6  | NON-AI DAUGHTERS | 6           | 9,045           | 4.6     | 419      |                 |                 |         |                |         |
|                         |       | 6  | WITH HERD-MATES  | 6           | 9,045           | 4.6     | 419      | 11              | 9,315           | 417     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 270-            | 2       |                |         |
| 538834                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 33    | 8  | NON-AI DAUGHTERS | 10          | 9,804           | 4.4     | 427      |                 |                 |         |                |         |
|                         |       | 8  | WITH HERD-MATES  | 10          | 9,804           | 4.4     | 427      | 7               | 8,375           | 398     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 1429            | 29      |                |         |
| 538906                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 51    | 6  | NON-AI DAUGHTERS | 6           | 7,890           | 4.7     | 371      |                 |                 |         |                |         |
|                         |       | 6  | WITH HERD-MATES  | 6           | 7,890           | 4.7     | 371      | 7               | 8,725           | 425     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 835-            | 54-     |                |         |
| 538908                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 85    | 5  | NON-AI DAUGHTERS | 5           | 8,748           | 4.8     | 420      |                 |                 |         |                |         |
|                         |       | 5  | WITH HERD-MATES  | 5           | 8,748           | 4.8     | 420      | 48              | 9,940           | 479     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 1192-           | 59-     |                |         |
| 539016                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 23    | 5  | NON-AI DAUGHTERS | 7           | 6,893           | 5.2     | 355      |                 |                 |         |                |         |
|                         |       | 5  | WITH HERD-MATES  | 7           | 6,893           | 5.2     | 355      | 17              | 8,311           | 387     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 1418-           | 32-     |                |         |
| 539042                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| AI STUD, 65-02          |       | 5  | AI DAUGHTERS     | 5           | 7,786           | 5.1     | 395      |                 |                 |         |                |         |
| STATES-                 | 65,72 | 5  | WITH HERD-MATES  | 5           | 7,786           | 5.1     | 395      | 14              | 8,507           | 400     | 8,223          | 404     |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 721-            | 5-      |                |         |
| 539044                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 31    | 6  | NON-AI DAUGHTERS | 6           | 9,433           | 5.4     | 508      |                 |                 |         |                |         |
|                         |       | 5  | WITH HERD-MATES  | 5           | 9,430           | 5.3     | 500      | 22              | 9,420           | 472     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 10              | 28      |                |         |
| 539095                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 33    | 6  | NON-AI DAUGHTERS | 6           | 8,687           | 4.9     | 424      |                 |                 |         |                |         |
|                         |       | 6  | WITH HERD-MATES  | 6           | 8,687           | 4.9     | 424      | 12              | 8,662           | 440     |                |         |
|                         |       |    |                  |             |                 |         |          | OIFF.           | 25              | 16-     |                |         |
| 539097                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 92    | 9  | NON-AI DAUGHTERS | 9           | 8,674           | 5.2     | 452      |                 |                 |         |                |         |
|                         |       | 9  | WITH HERD-MATES  | 9           | 8,674           | 5.2     | 452      | 10              | 8,606           | 456     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 68              | 4-      |                |         |
| 539152                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 42    | 6  | NON-AI DAUGHTERS | 6           | 6,923           | 4.5     | 309      |                 |                 |         |                |         |
|                         |       | 6  | WITH HERD-MATES  | 6           | 6,923           | 4.5     | 309      | 9               | 6,938           | 324     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 15-             | 15-     |                |         |
| 539230                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 41    | 7  | NON-AI DAUGHTERS | 7           | 10,326          | 4.9     | 502      |                 |                 |         |                |         |
|                         |       | 7  | WITH HERD-MATES  | 7           | 10,326          | 4.9     | 502      | 5               | 8,880           | 431     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 1446            | 71      |                |         |
| 539273                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 35,42 | 6  | NON-AI DAUGHTERS | 6           | 9,252           | 4.5     | 418      |                 |                 |         |                |         |
|                         |       | 6  | WITH HERD-MATES  | 6           | 9,252           | 4.5     | 418      | 7               | 8,856           | 422     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 396             | 4-      |                |         |
| 539407                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 41    | 6  | NON-AI DAUGHTERS | 7           | 6,068           | 5.4     | 326      |                 |                 |         |                |         |
|                         |       | 6  | WITH HERD-MATES  | 7           | 6,068           | 5.4     | 326      | 27              | 7,251           | 370     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 1183-           | 44-     |                |         |
| 539419                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| AI STUD, 63-02          |       | 5  | NON-AI DAUGHTERS | 5           | 15,804          | 4.9     | 777      |                 |                 |         |                |         |
| STATES-                 | 23    | 5  | WITH HERD-MATES  | 5           | 15,804          | 4.9     | 777      | 12              | 10,120          | 523     |                |         |
|                         |       |    |                  |             |                 |         |          | OIFF.           | 5684            | 254     |                |         |
| 539442                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 23    | 6  | NON-AI DAUGHTERS | 6           | 11,410          | 5.1     | 587      |                 |                 |         |                |         |
|                         |       | 6  | WITH HERD-MATES  | 6           | 11,410          | 5.1     | 587      | 21              | 8,619           | 429     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 2791            | 158     |                |         |
| 539467                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 23    | 9  | NON-AI DAUGHTERS | 9           | 8,437           | 5.3     | 449      |                 |                 |         |                |         |
|                         |       | 9  | WITH HERD-MATES  | 9           | 8,437           | 5.3     | 449      | 7               | 9,735           | 487     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 1298-           | 38-     |                |         |
| 539472                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| SIATES-                 | 23    | 10 | NON-AI DAUGHTERS | 10          | 8,861           | 5.2     | 458      |                 |                 |         |                |         |
|                         |       | 10 | WITH HERD-MATES  | 10          | 8,861           | 5.2     | 458      | 19              | 8,511           | 433     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 350             | 25      |                |         |
| 539714                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 23    | 12 | NON-AI DAUGHTERS | 13          | 9,442           | 5.0     | 475      |                 |                 |         |                |         |
|                         |       | 12 | WITH HERD-MATES  | 13          | 9,442           | 5.0     | 475      | 14              | 10,189          | 497     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 747-            | 22-     |                |         |
| 539858                  | ..... |    |                  |             |                 |         |          |                 |                 |         |                |         |
| STATES-                 | 31,58 | 9  | NON-AI DAUGHTERS | 9           | 7,292           | 5.4     | 392      |                 |                 |         |                |         |
|                         |       | 9  | WITH HERD-MATES  | 9           | 7,292           | 5.4     | 392      | 15              | 8,993           | 452     |                |         |
|                         |       |    |                  |             |                 |         |          | DIFF.           | 1701-           | 60-     |                |         |



## SIRE OF DHIA DAUGHTERS

| GUERNSEY               |       |    |                  | AV. RECORDS | PRDUCTION MILK | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|------------------------|-------|----|------------------|-------------|----------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 539978                 | ..... | 14 | AI DAUGHTERS     | 14          | 7,935          | 4.8       | 381         |                 |                    |            |                   |            |
| AI STUD, 21-01         |       | 13 | WITH HERD-MATES  | 13          | 8,070          | 4.8       | 384         | 10              | 8,670              | 404        | 8,130             | 395        |
| STATES- 13,21          |       |    |                  |             |                |           |             | DIFF.           | 600-               | 20-        |                   |            |
| 540002                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 8,322          | 5.4       | 446         |                 |                    |            |                   |            |
| STATES- 12             |       | 5  | WITH HERD-MATES  | 5           | 8,322          | 5.4       | 446         | 7               | 8,212              | 414        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 110                | 32         |                   |            |
| 540020                 | ..... | 8  | NON-AI DAUGHTERS | 8           | 9,880          | 5.4       | 534         |                 |                    |            |                   |            |
| STATES- 93             |       | 8  | WITH HERD-MATES  | 8           | 9,880          | 5.4       | 534         | 16              | 9,961              | 533        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 81-                | 1          |                   |            |
| 540033                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 8,650          | 4.4       | 378         |                 |                    |            |                   |            |
| STATES- 21             |       | 4  | WITH HERD-MATES  | 4           | 8,823          | 4.4       | 392         | 11              | 9,816              | 494        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 993-               | 102-       |                   |            |
| 540075                 | ..... | 10 | NON-AI DAUGHTERS | 10          | 13,143         | 4.4       | 580         |                 |                    |            |                   |            |
| STATES- 23             |       | 10 | WITH HERD-MATES  | 10          | 13,143         | 4.4       | 580         | 26              | 12,753             | 567        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 390                | 13         |                   |            |
| 540113                 | ..... | 6  | NDN-AI DAUGHTERS | 6           | 7,620          | 5.3       | 407         |                 |                    |            |                   |            |
| STATES- 42             |       | 6  | WITH HERD-MATES  | 6           | 7,620          | 5.3       | 407         | 18              | 6,414              | 335        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 1206               | 72         |                   |            |
| 540127                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 7,760          | 5.0       | 386         |                 |                    |            |                   |            |
| STATES- 13,23          |       | 4  | WITH HERD-MATES  | 4           | 7,653          | 4.9       | 378         | 30              | 6,462              | 321        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 1191               | 57         |                   |            |
| 540148                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 5,776          | 4.2       | 244         |                 |                    |            |                   |            |
| STATES- 56             |       | 5  | WITH HERD-MATES  | 5           | 5,776          | 4.2       | 244         | 19              | 5,990              | 257        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 214-               | 13-        |                   |            |
| 540194                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 5,976          | 4.7       | 280         |                 |                    |            |                   |            |
| STATES- 86             |       | 5  | WITH HERD-MATES  | 5           | 5,976          | 4.7       | 280         | 17              | 6,876              | 324        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 900-               | 44-        |                   |            |
| 540297                 | ..... | 5  | NON-AI DAUGHTERS | 5           | 7,024          | 5.3       | 374         |                 |                    |            |                   |            |
| STATES- 23             |       | 5  | WITH HERD-MATES  | 5           | 7,024          | 5.3       | 374         | 12              | 8,813              | 434        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 1789-              | 60-        |                   |            |
| 540322                 | ..... | 9  | AI DAUGHTERS     | 9           | 6,946          | 5.0       | 347         |                 |                    |            |                   |            |
| AI STUD, 33-03         |       | 9  | WITH HERD-MATES  | 9           | 6,946          | 5.0       | 347         | 15              | 7,904              | 379        | 8,005             | 390        |
| STATES- 16,21,23,43,91 |       |    |                  |             |                |           |             | DIFF.           | 958-               | 32-        |                   |            |
| 540323                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 7,458          | 4.4       | 327         |                 |                    |            |                   |            |
| STATES- 13,21          |       | 5  | WITH HERD-MATES  | 5           | 7,458          | 4.4       | 327         | 10              | 8,787              | 430        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 1329-              | 103-       |                   |            |
| 540324                 | ..... | 7  | NDN-AI DAUGHTERS | 7           | 10,600         | 4.2       | 441         |                 |                    |            |                   |            |
| STATES- 21             |       | 7  | WITH HERD-MATES  | 7           | 10,600         | 4.2       | 441         | 22              | 10,488             | 475        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 112                | 34-        |                   |            |
| 540365                 | ..... | 6  | NDN-AI DAUGHTERS | 6           | 9,390          | 4.5       | 419         |                 |                    |            |                   |            |
| STATES- 35             |       | 6  | WITH HERD-MATES  | 6           | 9,390          | 4.5       | 419         | 11              | 9,166              | 438        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 224                | 19-        |                   |            |
| 540383                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 9,036          | 4.7       | 428         |                 |                    |            |                   |            |
| STATES- 73             |       | 5  | WITH HERD-MATES  | 5           | 9,036          | 4.7       | 428         | 9               | 10,284             | 466        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 1248-              | 38-        |                   |            |
| 540399                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 6,798          | 4.5       | 308         |                 |                    |            |                   |            |
| STATES- 35             |       | 5  | WITH HERD-MATES  | 5           | 6,798          | 4.5       | 308         | 8               | 8,068              | 392        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 1270-              | 84-        |                   |            |
| 540405                 | ..... | 6  | NDN-AI DAUGHTERS | 6           | 10,285         | 5.1       | 528         |                 |                    |            |                   |            |
| STATES- 52             |       | 6  | WITH HERD-MATES  | 6           | 10,285         | 5.1       | 528         | 106             | 9,719              | 465        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 566                | 63         |                   |            |
| 540505                 | ..... | 5  | NDN-AI DAUGHTERS | 5           | 10,120         | 4.7       | 472         |                 |                    |            |                   |            |
| STATES- 21             |       | 5  | WITH HERD-MATES  | 5           | 10,120         | 4.7       | 472         | 17              | 9,784              | 473        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 336                | 1-         |                   |            |
| 540639                 | ..... | 8  | NDN-AI DAUGHTERS | 8           | 9,713          | 5.3       | 511         |                 |                    |            |                   |            |
| STATES- 33             |       | 8  | WITH HERD-MATES  | 8           | 9,713          | 5.3       | 511         | 5               | 9,100              | 462        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 613                | 49         |                   |            |
| 540718                 | ..... | 6  | NDN-AI DAUGHTERS | 6           | 11,027         | 5.4       | 590         |                 |                    |            |                   |            |
| STATES- 23             |       | 6  | WITH HERD-MATES  | 6           | 11,027         | 5.4       | 590         | 15              | 10,539             | 528        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 488                | 62         |                   |            |
| 540752                 | ..... | 9  | NDN-AI DAUGHTERS | 9           | 8,012          | 5.1       | 411         |                 |                    |            |                   |            |
| STATES- 52             |       | 9  | WITH HERD-MATES  | 9           | 8,012          | 5.1       | 411         | 22              | 8,264              | 417        |                   |            |
|                        |       |    |                  |             |                |           |             | DIFF.           | 252-               | 6-         |                   |            |

## Sires of DHIA Daughters

| GUERNSEY         | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES |            |           | PREDICTED AV. |           |
|------------------|------------------------|------------------|-----------|-----------|-----------------|------------|-----------|---------------|-----------|
|                  | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | AV.<br>NUMBER   | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 540922 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 87       | 8                      | NDN-AI DAUGHTERS | 8         | 8,220     | 4.9             | 406        |           |               |           |
|                  | 8                      | WITH HERD-MATES  | 8         | 8,220     | 4.9             | 406        | 12        | 7,340         | 353       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 880           | 53        |
| 541091 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 34       | 11                     | NDN-AI DAUGHTERS | 11        | 11,615    | 5.0             | 575        |           |               |           |
|                  | 11                     | WITH HERD-MATES  | 11        | 11,615    | 5.0             | 575        | 12        | 9,889         | 497       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1726          | 78        |
| 541195 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 33       | 5                      | NDN-AI DAUGHTERS | 5         | 7,176     | 5.2             | 374        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 7,176     | 5.2             | 374        | 11        | 8,286         | 408       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1110-         | 34-       |
| 541271 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 23       | 5                      | NDN-AI DAUGHTERS | 5         | 9,432     | 5.1             | 485        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 9,432     | 5.1             | 485        | 24        | 8,831         | 458       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 601           | 27        |
| 541284 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 21       | 8                      | NDN-AI DAUGHTERS | 9         | 9,258     | 4.8             | 446        |           |               |           |
|                  | 8                      | WITH HERD-MATES  | 9         | 9,258     | 4.8             | 446        | 27        | 10,464        | 512       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1206-         | 66-       |
| 541298 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 51       | 8                      | NDN-AI DAUGHTERS | 9         | 9,887     | 5.1             | 508        |           |               |           |
|                  | 8                      | WITH HERD-MATES  | 9         | 9,887     | 5.1             | 508        | 9         | 11,255        | 516       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1368-         | 8-        |
| 541305 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 35       | 7                      | NDN-AI DAUGHTERS | 7         | 8,346     | 5.0             | 416        |           |               |           |
|                  | 6                      | WITH HERD-MATES  | 6         | 8,580     | 5.0             | 429        | 13        | 9,272         | 444       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 692-          | 15-       |
| 541380 .....     |                        |                  |           |           |                 |            |           |               |           |
| AI STUD, 21-01   | 6                      | AI DAUGHTERS     | 6         | 8,112     | 4.7             | 380        |           |               |           |
| STATES- 21       | 6                      | WITH HERD-MATES  | 6         | 8,112     | 4.7             | 380        | 12        | 9,077         | 426       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 965-          | 46-       |
| 541406 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 23       | 9                      | NDN-AI DAUGHTERS | 11        | 9,479     | 5.1             | 487        |           |               |           |
|                  | 8                      | WITH HERD-MATES  | 10        | 9,647     | 5.2             | 504        | 23        | 9,995         | 522       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 348-          | 18-       |
| 541518 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 21       | 5                      | NDN-AI DAUGHTERS | 5         | 9,258     | 4.6             | 422        |           |               |           |
|                  | 4                      | WITH HERD-MATES  | 4         | 9,498     | 4.6             | 434        | 15        | 8,843         | 423       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 655           | 11        |
| 541576 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 41       | 5                      | NDN-AI DAUGHTERS | 5         | 7,964     | 5.4             | 427        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 7,964     | 5.4             | 427        | 19        | 8,460         | 400       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 496-          | 27        |
| 541586 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 33       | 5                      | NDN-AI DAUGHTERS | 5         | 5,392     | 4.7             | 253        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 5,392     | 4.7             | 253        | 4         | 7,223         | 353       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1831-         | 100-      |
| 541675 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 22       | 7                      | NDN-AI DAUGHTERS | 7         | 9,946     | 5.2             | 517        |           |               |           |
|                  | 7                      | WITH HERD-MATES  | 7         | 9,946     | 5.2             | 517        | 29        | 9,935         | 497       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 11            | 20        |
| 541731 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 14       | 5                      | NDN-AI DAUGHTERS | 5         | 10,412    | 4.9             | 507        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 10,412    | 4.9             | 507        | 17        | 9,350         | 435       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1062          | 72        |
| 541900 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 32       | 10                     | NDN-AI DAUGHTERS | 10        | 7,143     | 4.7             | 335        |           |               |           |
|                  | 10                     | WITH HERD-MATES  | 10        | 7,143     | 4.7             | 335        | 10        | 7,862         | 356       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 719-          | 21-       |
| 541987 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 62       | 7                      | NDN-AI DAUGHTERS | 7         | 10,847    | 4.5             | 490        |           |               |           |
|                  | 7                      | WITH HERD-MATES  | 7         | 10,847    | 4.5             | 490        | 4         | 10,068        | 455       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 779           | 35        |
| 542053 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 52       | 6                      | NDN-AI DAUGHTERS | 7         | 7,680     | 4.4             | 340        |           |               |           |
|                  | 6                      | WITH HERD-MATES  | 7         | 7,680     | 4.4             | 340        | 11        | 8,859         | 408       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1179-         | 68-       |
| 542129 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 22       | 5                      | NDN-AI DAUGHTERS | 5         | 7,930     | 4.8             | 380        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 7,930     | 4.8             | 380        | 38        | 8,114         | 400       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 184-          | 20-       |
| 542132 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 82,86,91 | 6                      | NDN-AI DAUGHTERS | 7         | 11,324    | 5.1             | 577        |           |               |           |
|                  | 6                      | WITH HERD-MATES  | 7         | 11,324    | 5.1             | 577        | 23        | 10,015        | 484       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1309          | 93        |
| 542193 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 32       | 5                      | NDN-AI DAUGHTERS | 5         | 6,794     | 4.7             | 318        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 6,794     | 4.7             | 318        | 4         | 7,822         | 372       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1028-         | 54-       |
| 542200 .....     |                        |                  |           |           |                 |            |           |               |           |
| STATES- 23       | 8                      | NDN-AI DAUGHTERS | 8         | 8,463     | 4.7             | 395        |           |               |           |
|                  | 7                      | WITH HERD-MATES  | 7         | 8,721     | 4.7             | 407        | 11        | 10,093        | 496       |
|                  |                        |                  |           |           |                 |            | DIFF.     | 1372-         | 89-       |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY       |                           | AV. PRODUCTION OF   |        |        |     | AV. HERD-MATES |       |       | PREOICTED AV. |           |
|----------------|---------------------------|---------------------|--------|--------|-----|----------------|-------|-------|---------------|-----------|
|                |                           | RECORDS             | MILK   | TEST   | FAT | AV.            | MILK  | FAT   | MILK          | FAT       |
|                |                           | NUMBER              | L8     | %      | L8  | NUMBER         | L8    | L8    | L8            | L8        |
| 542215         | .....                     | 6 NON-AI DAUGHTERS  | 7      | 7,289  | 5.1 | 374            |       |       |               |           |
| STATES- 33,42  | 6 WITH HERD-MATES         | 7                   | 7,289  | 5.1    | 374 | 6              | 7,423 | 373   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 134-  | 1     |               |           |
| 542338         | .....                     | 5 NON-AI DAUGHTERS  | 5      | 8,712  | 4.9 | 428            |       |       |               |           |
| STATES- 16     | 5 WITH HERD-MATES         | 5                   | 8,712  | 4.9    | 428 | 19             | 8,526 | 414   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 186   | 14    |               |           |
| 542350         | .....                     | 6 NON-AI DAUGHTERS  | 6      | 10,038 | 4.2 | 420            |       |       |               |           |
| STATES- 58     | 6 WITH HERD-MATES         | 6                   | 10,038 | 4.2    | 420 | 47             | 9,393 | 409   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 645   | 11    |               |           |
| 542374         | .....                     | 5 NON-AI DAUGHTERS  | 5      | 8,130  | 4.7 | 381            |       |       |               |           |
| STATES- 33     | 5 WITH HERD-MATES         | 5                   | 8,130  | 4.7    | 381 | 20             | 8,254 | 401   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 124-  | 20-   |               |           |
| 542404         | .....                     | 5 NON-AI DAUGHTERS  | 6      | 8,163  | 4.5 | 366            |       |       |               |           |
| STATES- 22     | 5 WITH HERD-MATES         | 6                   | 8,163  | 4.5    | 366 | 42             | 8,731 | 407   |               |           |
|                |                           |                     |        |        |     | DIFF.          | 568-  | 41-   |               |           |
| 542497         | .....                     | 5 NON-AI DAUGHTERS  | 8      | 7,821  | 4.7 | 367            |       |       |               |           |
| STATES- 57     | 5 WITH HERD-MATES         | 8                   | 7,821  | 4.7    | 367 | 46             | 7,688 | 359   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 133   | 8     |               |           |
| 542699         | .....                     | 6 NON-AI DAUGHTERS  | 6      | 7,827  | 5.0 | 389            |       |       |               |           |
| STATES- 91     | 6 WITH HERD-MATES         | 6                   | 7,827  | 5.0    | 389 | 10             | 8,362 | 445   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 535-  | 56-   |               |           |
| 542714         | .....                     | 5 NON-AI DAUGHTERS  | 5      | 9,232  | 5.1 | 469            |       |       |               |           |
| STATES- 91     | 5 WITH HERD-MATES         | 5                   | 9,232  | 5.1    | 469 | 27             | 9,505 | 470   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 273-  | 1-    |               |           |
| 542721         | .....                     | 6 NON-AI DAUGHTERS  | 6      | 8,373  | 5.2 | 438            |       |       |               |           |
| STATES- 91     | 6 WITH HERD-MATES         | 6                   | 8,373  | 5.2    | 438 | 7              | 8,673 | 416   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 300-  | 22    |               |           |
| 542756         | .....                     | 16 NON-AI DAUGHTERS | 16     | 8,789  | 5.2 | 454            |       |       |               |           |
| STATES- 23,52  | 10 WITH HERD-MATES        | 10                  | 8,355  | 5.1    | 427 | 17             | 8,782 | 423   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 427-  | 4     |               |           |
| 542773         | .....                     | 7 NON-AI DAUGHTERS  | 8      | 9,286  | 4.8 | 446            |       |       |               |           |
| STATES- 32     | 7 WITH HERD-MATES         | 8                   | 9,286  | 4.8    | 446 | 7              | 8,642 | 398   |               |           |
|                |                           |                     |        |        |     | DIFF.          | 644   | 48    |               |           |
| 542803         | ELMWOOD-S BANOMASTER..... |                     |        |        |     |                |       |       |               |           |
| 04-13-58       | 359246 1369252            | 12 AI DAUGHTERS     | 12     | 8,093  | 5.2 | 419            |       |       |               |           |
| AI STUO, 34-01 | LISTEO, 08-63             | 12 WITH HERD-MATES  | 12     | 8,093  | 5.2 | 419            | 11    | 9,282 | 467           | 7,878 384 |
| STATES- 34,52  |                           |                     |        |        |     | OIFF.          | 1189- | 48-   |               |           |
| 543348         | .....                     | 24 AI DAUGHTERS     | 24     | 8,831  | 4.9 | 432            |       |       |               |           |
| AI STUO, 23-05 | 22 WITH HERD-MATES        | 22                  | 8,936  | 4.9    | 439 | 15             | 8,933 | 433   | 8,464         | 411       |
| STATES- 23,34  |                           |                     |        |        |     | DIFF.          | 3     | 6     |               |           |
|                | 3 NON-AI DAUGHTERS        | 3                   | 8,377  | 5.4    | 449 | 17             | 9,655 | 472   |               |           |
|                | 3 WITH HERD-MATES         | 3                   | 8,377  | 5.4    | 449 | DIFF.          | 1278- | 23-   |               |           |
| 543374         | DEEP LAKE A. SUN.....     |                     |        |        |     |                |       |       |               |           |
| 01-01-58       | 431323 1604691            | 25 AI DAUGHTERS     | 25     | 8,510  | 4.8 | 408            |       |       |               |           |
| AI STUO, 21-01 | LISTEO, 08-63             | 23 WITH HERD-MATES  | 23     | 8,727  | 4.8 | 420            | 16    | 8,970 | 432           | 8,307 399 |
| STATES- 21,23  |                           |                     |        |        |     | OIFF.          | 243-  | 12-   |               |           |
| 543417         | .....                     | 6 NON-AI DAUGHTERS  | 6      | 10,390 | 4.6 | 479            |       |       |               |           |
| STATES- 23     | 6 WITH HERD-MATES         | 6                   | 10,390 | 4.6    | 479 | 13             | 9,619 | 452   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 771   | 27    |               |           |
| 543625         | .....                     | 6 NON-AI DAUGHTERS  | 6      | 11,025 | 5.0 | 554            |       |       |               |           |
| STATES- 23,52  | 6 WITH HERD-MATES         | 6                   | 11,025 | 5.0    | 554 | 18             | 9,147 | 442   |               |           |
|                |                           |                     |        |        |     | DIFF.          | 1878  | 112   |               |           |
| 543763         | .....                     | 5 AI DAUGHTERS      | 5      | 8,504  | 5.5 | 469            |       |       |               |           |
| AI STUO, 22-01 | 5 WITH HERD-MATES         | 5                   | 8,504  | 5.5    | 469 | 15             | 8,945 | 430   | 8,317         | 417       |
| STATES- 21,22  |                           |                     |        |        |     | OIFF.          | 441-  | 39    |               |           |
|                | 1 NON-AI DAUGHTERS        | 1                   | 7,480  | 5.7    | 424 | 18             | 8,825 | 460   |               |           |
|                | 1 WITH HERD-MATES         | 1                   | 7,480  | 5.7    | 424 | DIFF.          | 1345- | 36-   |               |           |
| 543771         | .....                     | 6 NON-AI DAUGHTERS  | 6      | 6,680  | 4.6 | 307            |       |       |               |           |
| STATES- 32,65  | 6 WITH HERD-MATES         | 6                   | 6,680  | 4.6    | 307 | 19             | 7,944 | 376   |               |           |
|                |                           |                     |        |        |     | DIFF.          | 1264- | 69-   |               |           |
| 543818         | .....                     | 11 AI DAUGHTERS     | 11     | 9,894  | 4.5 | 442            |       |       |               |           |
| AI STUO, 21-01 | 10 WITH HERD-MATES        | 10                  | 9,892  | 4.5    | 449 | 13             | 9,348 | 450   | 8,716         | 406       |
| STATES- 16,21  |                           |                     |        |        |     | OIFF.          | 544   | 1-    |               |           |
| 543827         | .....                     | 6 NON-AI DAUGHTERS  | 6      | 11,177 | 5.0 | 555            |       |       |               |           |
| STATES- 51     | 6 WITH HERD-MATES         | 6                   | 11,177 | 5.0    | 555 | 28             | 9,100 | 481   |               |           |
|                |                           |                     |        |        |     | OIFF.          | 2077  | 74    |               |           |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY         | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|------------------|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                  | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 543935 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23       | 10                     | NDN-AI DAUGHTERS | 10        | 8,418     | 5.0                 | 418        |           |               |           |
|                  | 10                     | WITH HERD-MATES  | 10        | 8,418     | 5.0                 | 418        | 12        | 7,796         | 372       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 622           | 46        |
| 544152 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 43       | 7                      | NDN-AI DAUGHTERS | 8         | 9,820     | 4.6                 | 454        |           |               |           |
|                  | 7                      | WITH HERD-MATES  | 8         | 9,820     | 4.6                 | 454        | 15        | 8,567         | 390       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1253          | 64        |
| 544374 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23       | 12                     | NDN-AI DAUGHTERS | 12        | 8,946     | 4.2                 | 379        |           |               |           |
|                  | 12                     | WITH HERD-MATES  | 12        | 8,946     | 4.2                 | 379        | 42        | 9,210         | 411       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 264-          | 32-       |
| 544468 .....     |                        |                  |           |           |                     |            |           |               |           |
| AI STUD, 23-05   | 15                     | AI DAUGHTERS     | 15        | 9,313     | 4.3                 | 399        |           |               |           |
| STATES- 23       | 14                     | WITH HERD-MATES  | 14        | 9,553     | 4.3                 | 412        | 7         | 9,168         | 431       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 385           | 19-       |
| 8,673 397        |                        |                  |           |           |                     |            |           |               |           |
| 544508 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21       | 7                      | NDN-AI DAUGHTERS | 7         | 10,464    | 4.4                 | 459        |           |               |           |
|                  | 7                      | WITH HERD-MATES  | 7         | 10,464    | 4.4                 | 459        | 48        | 10,659        | 469       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 195-          | 10-       |
| 544613 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23       | 5                      | NDN-AI DAUGHTERS | 5         | 7,972     | 4.5                 | 357        |           |               |           |
|                  | 4                      | WITH HERD-MATES  | 4         | 8,158     | 4.7                 | 382        | 28        | 10,299        | 490       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 2141-         | 108-      |
| 544694 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23       | 6                      | NDN-AI DAUGHTERS | 6         | 9,665     | 5.2                 | 505        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 9,886     | 5.4                 | 530        | 15        | 10,787        | 555       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 901-          | 25-       |
| 544794 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23       | 5                      | NDN-AI DAUGHTERS | 5         | 7,248     | 4.8                 | 346        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 7,248     | 4.8                 | 346        | 13        | 8,011         | 382       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 763-          | 36-       |
| 544908 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 33       | 5                      | NDN-AI DAUGHTERS | 6         | 8,963     | 4.7                 | 417        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 6         | 8,963     | 4.7                 | 417        | 9         | 9,455         | 438       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 492-          | 21-       |
| 544991 .....     |                        |                  |           |           |                     |            |           |               |           |
| AI STUD, 23-08   | 8                      | AI DAUGHTERS     | 8         | 9,244     | 4.8                 | 448        |           |               |           |
| STATES- 23,50    | 8                      | WITH HERD-MATES  | 8         | 9,244     | 4.8                 | 448        | 12        | 8,538         | 428       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 706           | 20        |
| 8,717 414        |                        |                  |           |           |                     |            |           |               |           |
| 545135 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 55       | 5                      | NDN-AI DAUGHTERS | 5         | 9,742     | 4.5                 | 443        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 9,742     | 4.5                 | 443        | 32        | 8,274         | 381       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1468          | 62        |
| 545201 .....     |                        |                  |           |           |                     |            |           |               |           |
| AI STUD, 16-04   | 6                      | AI DAUGHTERS     | 6         | 10,023    | 5.3                 | 529        |           |               |           |
| STATES- 13,14,16 | 6                      | WITH HERD-MATES  | 6         | 10,023    | 5.3                 | 529        | 18        | 9,573         | 468       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 450           | 61        |
| 8,616 427        |                        |                  |           |           |                     |            |           |               |           |
| 545481 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23,51    | 9                      | NDN-AI DAUGHTERS | 9         | 8,293     | 4.8                 | 396        |           |               |           |
|                  | 9                      | WITH HERD-MATES  | 9         | 8,293     | 4.8                 | 396        | 30        | 8,663         | 408       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 370-          | 12-       |
| 545518 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23       | 5                      | NDN-AI DAUGHTERS | 5         | 7,036     | 5.0                 | 349        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 7,036     | 5.0                 | 349        | 9         | 8,756         | 419       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1720-         | 70-       |
| 545675 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 34       | 6                      | NDN-AI DAUGHTERS | 7         | 7,900     | 4.7                 | 369        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 6         | 7,832     | 4.7                 | 370        | 7         | 9,512         | 470       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1680-         | 100-      |
| 546377 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 33       | 6                      | NDN-AI DAUGHTERS | 6         | 9,367     | 5.0                 | 472        |           |               |           |
|                  | 6                      | WITH HERD-MATES  | 6         | 9,367     | 5.0                 | 472        | 11        | 8,261         | 400       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1106          | 72        |
| 546612 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 63       | 5                      | NDN-AI DAUGHTERS | 5         | 7,616     | 4.8                 | 367        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 7,616     | 4.8                 | 367        | 10        | 7,670         | 377       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 54-           | 10-       |
| 547139 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 11       | 5                      | NDN-AI DAUGHTERS | 5         | 7,034     | 5.4                 | 380        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 7,034     | 5.4                 | 380        | 12        | 7,704         | 360       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 670-          | 20        |
| 547855 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23       | 9                      | NDN-AI DAUGHTERS | 9         | 6,351     | 5.1                 | 322        |           |               |           |
|                  | 9                      | WITH HERD-MATES  | 9         | 6,351     | 5.1                 | 322        | 19        | 7,919         | 376       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1568-         | 54-       |
| 548209 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41       | 8                      | NDN-AI DAUGHTERS | 8         | 6,429     | 4.6                 | 294        |           |               |           |
|                  | 8                      | WITH HERD-MATES  | 8         | 6,429     | 4.6                 | 294        | 12        | 6,840         | 313       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 411-          | 19-       |
| 550114 .....     |                        |                  |           |           |                     |            |           |               |           |
| STATES- 91       | 5                      | NDN-AI DAUGHTERS | 5         | 9,662     | 4.7                 | 453        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 9,662     | 4.7                 | 453        | 6         | 8,761         | 433       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 901           | 20        |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY   |                     | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|------------|---------------------|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|            |                     | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|            |                     | NUMBER                 | L8     | %    | L8  |                     | L8     | L8  | L8            | L8  |
| 552229     | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 16 NON-AI DAUGHTERS | 16                     | 8,666  | 5.2  | 450 |                     |        |     |               |     |
| STATES- 51 | 16 WITH HERO-MATES  | 16                     | 8,666  | 5.2  | 450 | 41                  | 8,775  | 463 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 109-   | 13- |               |     |
| 340351760  | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 6 NON-AI DAUGHTERS  | 11                     | 6,837  | 4.6  | 314 |                     |        |     |               |     |
| STATES- 34 | 6 WITH HERO-MATES   | 11                     | 6,837  | 4.6  | 314 | 14                  | 8,039  | 363 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 1202-  | 49- |               |     |
| 42WAN4453  | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 5 NON-AI DAUGHTERS  | 6                      | 7,288  | 4.9  | 359 |                     |        |     |               |     |
| STATES- 42 | 5 WITH HERO-MATES   | 6                      | 7,288  | 4.9  | 359 | 1                   | 8,722  | 436 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 1434-  | 77- |               |     |
| 43WAA1705  | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 5 NON-AI DAUGHTERS  | 5                      | 11,728 | 5.2  | 604 |                     |        |     |               |     |
| STATES- 43 | 4 WITH HERO-MATES   | 4                      | 12,410 | 5.1  | 630 | 6                   | 11,923 | 587 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 487    | 43  |               |     |
| 510706462  | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 8 NON-AI DAUGHTERS  | 14                     | 7,096  | 4.7  | 337 |                     |        |     |               |     |
| STATES- 51 | 8 WITH HERO-MATES   | 11                     | 7,213  | 4.8  | 344 | 4                   | 8,373  | 380 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 1160-  | 36- |               |     |
| 52AEU2603  | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 5 NON-AI DAUGHTERS  | 5                      | 8,094  | 4.6  | 370 |                     |        |     |               |     |
| STATES- 52 | 5 WITH HERO-MATES   | 5                      | 8,094  | 4.6  | 370 | 8                   | 8,744  | 406 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 650-   | 36- |               |     |
| 87WAB3705  | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 5 NON-AI DAUGHTERS  | 7                      | 9,576  | 4.8  | 459 |                     |        |     |               |     |
| STATES- 87 | 5 WITH HERO-MATES   | 7                      | 9,576  | 4.8  | 459 | 14                  | 9,430  | 448 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 146    | 11  |               |     |
| 92DD02511  | .....               |                        |        |      |     |                     |        |     |               |     |
|            | 5 NON-AI DAUGHTERS  | 7                      | 8,801  | 4.5  | 393 |                     |        |     |               |     |
| STATES- 12 | 2 WITH HERO-MATES   | 2                      | 7,235  | 4.6  | 336 | 2                   | 8,201  | 383 |               |     |
|            |                     |                        |        |      |     | DIFF.               | 966-   | 47- |               |     |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                       |                                      |                    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--------------------------------|--------------------------------------|--------------------|------------------------|---------------------|-------------------|
|                                |                                      | RECORDS            | MILK TEST FAT          | MILK FAT            | MILK FAT          |
|                                |                                      | NUMBER             | LB % LB                | NUMBER LB LB        | LB LB             |
| 28815                          | .....                                | 5 NON-AI DAUGHTERS | 6 9,181 3.4 308        |                     |                   |
| STATES- 23                     | 4 WITH HERD-MATES                    | 4                  | 7,438 3.4 251          | 5 9,084 323         |                   |
|                                |                                      |                    |                        | DIFF. 1646- 72-     |                   |
| 735351                         | PENSTATE INKA PAUL.....              |                    |                        |                     |                   |
| 12-01-36                       | 706753 1651386 618 AI DAUGHTERS      | 1880               | 11,251 3.6 402         |                     |                   |
| AI STUD, 23-04                 | 264 WITH HERD-MATES                  | 1118               | 12,060 3.6 429         | 9 11,854 434        | 12,304 438        |
| STATES- 21,23,31,35,51         |                                      |                    |                        | DIFF. 206 5-        |                   |
|                                | 48 NON-AI DAUGHTERS                  | 173                | 11,081 3.5 388         |                     |                   |
|                                | 1 WITH HERD-MATES                    | 15                 | 12,740 3.9 495         | 6 12,066 467        |                   |
|                                |                                      |                    |                        | DIFF. 674 28        |                   |
| 837205                         | .....                                | 5 NON-AI DAUGHTERS | 10 13,011 3.9 507      |                     |                   |
| STATES- 13,21                  | 4 WITH HERD-MATES                    | 9                  | 12,733 3.9 500         | 19 12,567 461       |                   |
|                                |                                      |                    |                        | DIFF. 166 39        |                   |
| 847529                         | .....                                | 5 NON-AI DAUGHTERS | 5 12,340 3.4 416       |                     |                   |
| STATES- 21                     | 3 WITH HERD-MATES                    | 3                  | 12,417 3.3 414         | 17 12,489 426       |                   |
|                                |                                      |                    |                        | DIFF. 72- 12-       |                   |
| 897452                         | CRESCENT KING JULE FOBES.....        |                    |                        |                     |                   |
| 04-12-42                       | 789081 2142941 556 AI DAUGHTERS      | 1024               | 12,307 3.7 455         |                     |                   |
| AI STUD, 33-01 LISTED, 08-63   | 536 WITH HERD-MATES                  | 993                | 12,317 3.7 456         | 18 12,562 470       | 11,939 433        |
| STATES- 16,21,31,32,33,34,35,  |                                      |                    |                        | DIFF. 245- 14-      |                   |
| 41,42,43,47,54,55,57,58,61,72, | 38 NON-AI DAUGHTERS                  | 112                | 12,144 3.6 438         |                     |                   |
| 74,84,86,91                    | 30 WITH HERD-MATES                   | 101                | 12,837 3.6 464         | 11 12,527 457       |                   |
|                                |                                      |                    |                        | DIFF. 310 7         |                   |
| 897931                         | .....                                | 5 NON-AI DAUGHTERS | 5 13,350 4.1 542       |                     |                   |
| STATES- 11                     | 5 WITH HERD-MATES                    | 5                  | 13,350 4.1 542         | 7 13,055 492        |                   |
|                                |                                      |                    |                        | DIFF. 295 50        |                   |
| 923749                         | USBORNDAL SIR TY VIC RAG APPLE.....  |                    |                        |                     |                   |
| 07-14-44                       | 848777 1814813 2612 AI DAUGHTERS     | 7072               | 12,618 3.9 491         |                     |                   |
| AI STUD, 33-01 LISTED, 08-63   | 2132 WITH HERD-MATES                 | 6192               | 12,669 3.9 493         | 12 12,624 473       | 12,228 467        |
| STATES- 14,21,23,31,32,33,34,  |                                      |                    |                        | DIFF. 45 20         |                   |
| 35,41,42,43,47,52,54,55,56,57, |                                      |                    |                        |                     |                   |
| 58,61,63,64,72,74,86           |                                      |                    |                        |                     |                   |
| 923750                         | USBORNDAL COLDNEL LOCHINVAR.....     |                    |                        |                     |                   |
| 11-02-44                       | 855938 2045422 918 AI DAUGHTERS      | 2311               | 12,057 3.7 449         |                     |                   |
| AI STUD, 33-01 LISTED, 08-63   | 696 WITH HERD-MATES                  | 1823               | 12,144 3.7 453         | 13 12,281 458       | 12,015 440        |
| STATES- 21,23,31,32,33,34,35,  |                                      |                    |                        | DIFF. 137- 5-       |                   |
| 41,42,54,55,56,57,58,61,63,64, |                                      |                    |                        |                     |                   |
| 74,92                          |                                      |                    |                        |                     |                   |
| 931159                         | PENSTATE CHIEFTAIN MONTVIC INKA..... |                    |                        |                     |                   |
| 01-06-45                       | 706753 2229091 58 AI DAUGHTERS       | 185                | 11,123 3.8 426         |                     |                   |
| AI STUD, 23-04                 | 34 WITH HERD-MATES                   | 135                | 11,451 3.8 433         | 9 11,679 428        | 11,935 446        |
| STATES- 22,23                  |                                      |                    |                        | DIFF. 228- 5        |                   |
| 956714                         | CRESTON LUCKY STRIKE.....            |                    |                        |                     |                   |
| 12-20-45                       | 906000 2420644 749 AI DAUGHTERS      | 1499               | 12,493 3.8 479         |                     |                   |
| AI STUD, 34-01 LISTED, 08-63   | 732 WITH HERD-MATES                  | 1461               | 12,500 3.8 479         | 13 12,732 463       | 11,966 462        |
| STATES- 23,31,32,33,34,74,85   |                                      |                    |                        | DIFF. 232- 16       |                   |
|                                | 55 NON-AI DAUGHTERS                  | 152                | 11,972 3.9 461         |                     |                   |
|                                | 42 WITH HERD-MATES                   | 125                | 11,688 3.9 456         | 7 12,072 454        |                   |
|                                |                                      |                    |                        | DIFF. 384- 2        |                   |
| 960768                         | .....                                | 5 NON-AI DAUGHTERS | 16 12,692 3.7 464      |                     |                   |
| STATES- 41,63                  | 4 WITH HERD-MATES                    | 14                 | 12,556 3.6 449         | 8 11,470 423        |                   |
|                                |                                      |                    |                        | DIFF. 1086 26       |                   |
| 964278                         | D I GALLANT RULER.....               |                    |                        |                     |                   |
| 11-15-45                       | 743882 2469214 401 AI DAUGHTERS      | 518                | 12,831 3.6 462         |                     |                   |
| AI STUD, 33-01 LISTED, 08-63   | 359 WITH HERD-MATES                  | 466                | 12,852 3.6 464         | 14 12,620 467       | 12,404 443        |
| STATES- 31,33,35,41,42,45,46,  |                                      |                    |                        | DIFF. 232 3-        |                   |
| 51                             | 30 NON-AI DAUGHTERS                  | 127                | 13,064 3.6 471         |                     |                   |
|                                | 27 WITH HERD-MATES                   | 111                | 12,946 3.6 468         | 8 12,730 467        |                   |
|                                |                                      |                    |                        | DIFF. 216 1         |                   |
| 975138                         | PABST RAMBLER WALKER.....            |                    |                        |                     |                   |
| 06-13-46                       | 916876 2054580 2075 AI DAUGHTERS     | 3803               | 13,900 3.6 499         |                     |                   |
| AI STUD, 23-02 LISTED, 08-63   | 2035 WITH HERD-MATES                 | 3704               | 13,913 3.6 499         | 10 12,804 472       | 13,299 474        |
| STATES- 21,22,23,50,51         |                                      |                    |                        | DIFF. 1109 27       |                   |
|                                | 71 NON-AI DAUGHTERS                  | 268                | 13,245 3.5 457         |                     |                   |
|                                | 36 WITH HERD-MATES                   | 138                | 13,665 3.5 475         | 7 12,542 449        |                   |
|                                |                                      |                    |                        | DIFF. 1123 26       |                   |
| 981361                         | PABST REGAL JULE.....                |                    |                        |                     |                   |
| 10-09-46                       | 901195 1897933 718 AI DAUGHTERS      | 1318               | 13,121 3.7 480         |                     |                   |
| AI STUD, 34-01 LISTED, 08-63   | 691 WITH HERD-MATES                  | 1274               | 13,123 3.7 480         | 13 12,940 471       | 12,393 456        |
| STATES- 23,31,32,33,34,42,51,  |                                      |                    |                        | DIFF. 183 9         |                   |
| 61,65                          | 51 NON-AI DAUGHTERS                  | 191                | 13,305 3.6 483         |                     |                   |
|                                | 45 WITH HERD-MATES                   | 180                | 13,358 3.6 485         | 9 13,373 483        |                   |
|                                |                                      |                    |                        | DIFF. 15- 2         |                   |
| 982831                         | .....                                | 5 NON-AI DAUGHTERS | 8 10,969 3.6 399       |                     |                   |
| STATES- 34                     | 2 WITH HERD-MATES                    | 3                  | 10,880 3.8 418         | 19 13,309 497       |                   |
|                                |                                      |                    |                        | DIFF. 2429- 79-     |                   |
| 988706                         | WEBER ROAMER BURKE DUKE.....         |                    |                        |                     |                   |
| 10-15-46                       | 914049 2135551 93 AI DAUGHTERS       | 155                | 12,737 3.6 459         |                     |                   |
| AI STUD, 48-01 LISTED, 08-63   | 80 WITH HERD-MATES                   | 131                | 12,820 3.6 462         | 15 12,299 450       | 12,597 455        |
| STATES- 47,48                  |                                      |                    |                        | DIFF. 521 12        |                   |
|                                | 32 NON-AI DAUGHTERS                  | 68                 | 13,264 3.6 479         |                     |                   |
|                                | 19 WITH HERD-MATES                   | 47                 | 13,402 3.5 472         | 13 13,692 502       |                   |
|                                |                                      |                    |                        | DIFF. 290- 30-      |                   |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  |      |                  |      | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERO-MATES AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|---|------|------------------|------|-------------|-----------------------|--------|-------------|------------------|-----------------------|-----------------------|------------|
| 991875 DALE-MAR SMOKY SPICE.....                |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 07-13-46 925950 2446211                         | 925  | AI DAUGHTERS     | 1629 | 12,091      | 3.8                   | 457    |             |                  |                       |                       |            |
| AI STUD, 48-01 LISTED, 08-63                    | 572  | WITH HERD-MATES  | 1076 | 12,258      | 3.8                   | 464    |             |                  |                       |                       |            |
| STATES- 13,43,47,48,63,71,73,                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 74  | 31   | NON-AI DAUGHTERS | 83   | 11,278      | 3.9                   | 435    |             |                  |                       |                       |            |
|   | 5    | WITH HERD-MATES  | 11   | 10,661      | 3.7                   | 395    |             |                  |                       |                       |            |
| 1001748 CARNATION CEORIC INSPIRATION.....       |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 11-24-46 933204 2422157                         | 710  | AI DAUGHTERS     | 1040 | 12,669      | 3.8                   | 477    |             |                  |                       |                       |            |
| AI STUD, 31-01 LISTED, 08-63                    | 642  | WITH HERD-MATES  | 946  | 12,683      | 3.                    | 479    |             |                  |                       |                       |            |
| STATES- 15,31,32,34,54,56,61,                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 63,71,74,84,85                                  | 8    | NON-AI DAUGHTERS | 18   | 12,770      | 3.8                   | 482    |             |                  |                       |                       |            |
|   | 6    | WITH HERD-MATES  | 13   | 12,820      | 3.8                   | 491    |             |                  |                       |                       |            |
| 1003835 .....                                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| AI STUD, 51-01                                  | 80   | AI DAUGHTERS     | 185  | 11,469      | 3.7                   | 430    |             |                  |                       |                       |            |
| STATES- 23,51,52,54                             | 58   | WITH HERD-MATES  | 153  | 11,502      | 3.7                   | 431    |             |                  |                       |                       |            |
|   | 20   | NON-AI DAUGHTERS | 64   | 10,404      | 3.7                   | 383    |             |                  |                       |                       |            |
|   | 20   | WITH HERD-MATES  | 60   | 10,433      | 3.7                   | 385    |             |                  |                       |                       |            |
| 1014448 .....                                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| STATES- 23                                      | 5    | NON-AI DAUGHTERS | 10   | 11,460      | 3.5                   | 400    |             |                  |                       |                       |            |
|   | 5    | WITH HERD-MATES  | 10   | 11,460      | 3.5                   | 400    |             |                  |                       |                       |            |
| 1015436 .....                                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| STATES- 94                                      | 37   | NON-AI DAUGHTERS | 41   | 8,675       | 3.8                   | 329    |             |                  |                       |                       |            |
|   | 36   | WITH HERD-MATES  | 39   | 8,666       | 3.8                   | 327    |             |                  |                       |                       |            |
| 1018315 THONYMA MAUOLENE PAT.....               |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 02-23-47 917165 2402990                         | 537  | AI DAUGHTERS     | 888  | 13,078      | 3.7                   | 488    |             |                  |                       |                       |            |
| AI STUD, 48-01 LISTED, 08-63                    | 425  | WITH HERD-MATES  | 708  | 13,133      | 3.7                   | 490    |             |                  |                       |                       |            |
| STATES- 48,63,71,73                             |      |                  |      |             |                       |        |             |                  |                       |                       |            |
|   | 27   | NON-AI DAUGHTERS | 80   | 13,816      | 3.8                   | 519    |             |                  |                       |                       |            |
|   | 11   | WITH HERD-MATES  | 51   | 14,018      | 3.7                   | 518    |             |                  |                       |                       |            |
| 1025570 SIR AAGGIE FAYNE BRACELET.....          |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 06-05-47 800260 1926666                         | 255  | AI DAUGHTERS     | 534  | 12,899      | 3.7                   | 471    |             |                  |                       |                       |            |
| AI STUD, 42-02 LISTED, 08-63                    | 207  | WITH HERD-MATES  | 461  | 12,939      | 3.7                   | 475    |             |                  |                       |                       |            |
| STATES- 35,42,43,47,48                          |      |                  |      |             |                       |        |             |                  |                       |                       |            |
|   | 20   | NON-AI DAUGHTERS | 46   | 11,793      | 3.7                   | 437    |             |                  |                       |                       |            |
|   | 10   | WITH HERD-MATES  | 27   | 11,429      | 3.7                   | 428    |             |                  |                       |                       |            |
| 1025678 .....                                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| AI STUD, 71-01                                  | 5    | AI DAUGHTERS     | 9    | 11,227      | 3.6                   | 407    |             |                  |                       |                       |            |
| STATES- 71                                      | 5    | WITH HERD-MATES  | 9    | 11,227      | 3.6                   | 407    |             |                  |                       |                       |            |
| 1027988 .....                                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| STATES- 21                                      | 5    | NON-AI DAUGHTERS | 5    | 15,392      | 3.6                   | 560    |             |                  |                       |                       |            |
|   | 5    | WITH HERD-MATES  | 5    | 15,392      | 3.6                   | 560    |             |                  |                       |                       |            |
| 1032617 DISTINCTION MAGIC COUNT.....            |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 03-21-48 986249 2646639                         | 362  | AI DAUGHTERS     | 692  | 12,880      | 3.7                   | 479    |             |                  |                       |                       |            |
| AI STUD, 35-02 LISTED, 08-63                    | 358  | WITH HERD-MATES  | 683  | 12,883      | 3.7                   | 479    |             |                  |                       |                       |            |
| STATES- 16,22,23,32,34,35,51,                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 64,72   | 9    | NON-AI DAUGHTERS | 22   | 12,976      | 3.7                   | 477    |             |                  |                       |                       |            |
|   | 9    | WITH HERD-MATES  | 21   | 12,969      | 3.7                   | 477    |             |                  |                       |                       |            |
| 1033434 .....                                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| STATES- 31,51                                   | 8    | NON-AI DAUGHTERS | 8    | 12,059      | 3.7                   | 446    |             |                  |                       |                       |            |
|   | 8    | WITH HERD-MATES  | 8    | 12,059      | 3.7                   | 446    |             |                  |                       |                       |            |
| 1038118 WALKER HOMESTEAD DAWN.....              |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 01-03-48 943367 2511300                         | 1033 | AI DAUGHTERS     | 1355 | 12,787      | 4.1                   | 523    |             |                  |                       |                       |            |
| AI STUD, 16-04 LISTED, 08-63                    | 973  | WITH HERD-MATES  | 1270 | 12,860      | 4.1                   | 527    |             |                  |                       |                       |            |
| STATES- 11,12,13,14,15,16,21,                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 22,23,31,35,51,55,56                            | 49   | NON-AI DAUGHTERS | 187  | 14,225      | 4.1                   | 581    |             |                  |                       |                       |            |
|   | 33   | WITH HERD-MATES  | 114  | 14,507      | 4.1                   | 599    |             |                  |                       |                       |            |
| 1038489 PA8ST COMET WAYNE PRILLY.....           |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 02-27-48 959466 2181829                         | 2358 | AI DAUGHTERS     | 5250 | 12,984      | 3.8                   | 493    |             |                  |                       |                       |            |
| AI STUD, 23-04 LISTED, 08-63                    | 2256 | WITH HERD-MATES  | 5007 | 12,988      | 3.8                   | 493    |             |                  |                       |                       |            |
| STATES- 14,15,21,22,23,50,51,                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 52,55,56,57,72                                  | 31   | NON-AI DAUGHTERS | 77   | 12,495      | 3.7                   | 463    |             |                  |                       |                       |            |
|   | 24   | WITH HERD-MATES  | 66   | 13,082      | 3.7                   | 483    |             |                  |                       |                       |            |
| 1038509 BURKGOV INKA DE KDL.....                |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 06-12-48 882933 2241235                         | 1734 | AI DAUGHTERS     | 3247 | 14,249      | 3.5                   | 502    |             |                  |                       |                       |            |
| AI STUD, 87-01 LISTED, 08-63                    | 1254 | WITH HERD-MATES  | 2318 | 14,540      | 3.5                   | 513    |             |                  |                       |                       |            |
| STATES- 11,12,21,33,34,35,41,                   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 42,48,57,81,82,83,84,85,86,87,                  | 2    | NON-AI DAUGHTERS | 7    | 10,204      | 3.2                   | 331    |             |                  |                       |                       |            |
| 88,91,92  | 2    | WITH HERD-MATES  | 7    | 10,204      | 3.2                   | 331    |             |                  |                       |                       |            |
| 1042139 CLYDE HILL QUINO KING FDBES - TWIN..... |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 06-04-48 835633 2138797                         | 263  | AI DAUGHTERS     | 465  | 13,361      | 3.5                   | 468    |             |                  |                       |                       |            |
| AI STUD, 31-01 LISTED, 08-63                    | 238  | WITH HERD-MATES  | 421  | 13,458      | 3.5                   | 471    |             |                  |                       |                       |            |
| STATES- 21,23,31,41,74                          |      |                  |      |             |                       |        |             |                  |                       |                       |            |
|   | 56   | NON-AI DAUGHTERS | 230  | 14,043      | 3.6                   | 503    |             |                  |                       |                       |            |
|   | 44   | WITH HERD-MATES  | 191  | 14,213      | 3.6                   | 509    |             |                  |                       |                       |            |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN   |      |                  | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|------|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1042708 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| AI STUD, 72-01                                       | 2    | AI DAUGHTERS     | 3           | 10,183             | 3.4       | 345         |                 |                    |            |                   |            |
| STATES- 31,72  | 2    | WITH HERD-MATES  | 3           | 10,183             | 3.4       | 345         | 22              | 11,205             | 414        | 11,979            | 434        |
|  |      |                  |             |                    |           |             | DIFF.           | 1022-              | 69-        |                   |            |
|  | 3    | NON-AI DAUGHTERS | 4           | 12,987             | 3.2       | 416         |                 |                    |            |                   |            |
|  | 3    | WITH HERD-MATES  | 4           | 12,987             | 3.2       | 416         | 14              | 12,367             | 436        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 620                | 20-        |                   |            |
| 1042915 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 93   | 5    | NON-AI DAUGHTERS | 10          | 11,128             | 3.5       | 388         |                 |                    |            |                   |            |
|  | 5    | WITH HERD-MATES  | 10          | 11,128             | 3.5       | 388         | 9               | 12,199             | 447        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 1071-              | 59-        |                   |            |
| 1042917 MENDOCIND DUKE AAGGIE STAR.....              |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-14-47 879747 1807379                              | 32   | AI DAUGHTERS     | 48          | 14,460             | 3.5       | 510         |                 |                    |            |                   |            |
| AI STUD, 93-10 LISTED, 08-63                         | 32   | WITH HERD-MATES  | 48          | 14,460             | 3.5       | 510         | 29              | 14,513             | 524        | 12,268            | 440        |
| STATES- 93   |      |                  |             |                    |           |             | DIFF.           | 53-                | 14-        |                   |            |
|  | 24   | NON-AI DAUGHTERS | 48          | 13,006             | 4.1       | 539         |                 |                    |            |                   |            |
|  | 1    | WITH HERD-MATES  | 1           | 14,140             | 4.0       | 572         | 3               | 11,157             | 445        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 2983               | 127        |                   |            |
| 1042983 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 74   | 6    | NON-AI DAUGHTERS | 6           | 14,567             | 4.0       | 588         |                 |                    |            |                   |            |
|  | 6    | WITH HERD-MATES  | 6           | 14,567             | 4.0       | 588         | 20              | 14,413             | 536        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 154                | 52         |                   |            |
| 1043258 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 74,85  | 7    | NON-AI DAUGHTERS | 10          | 16,458             | 3.4       | 565         |                 |                    |            |                   |            |
|  | 7    | WITH HERD-MATES  | 10          | 16,458             | 3.4       | 565         | 30              | 14,248             | 502        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 2210               | 63         |                   |            |
| 1046259 PENSTATE JOSIE AUTDCRAT.....                 |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 08-16-48 741318 1833094                              | 939  | AI DAUGHTERS     | 2359        | 12,613             | 3.7       | 461         |                 |                    |            |                   |            |
| AI STUD, 23-02 LISTED, 08-63                         | 916  | WITH HERD-MATES  | 2258        | 12,635             | 3.7       | 462         | 9               | 12,517             | 463        | 12,288            | 445        |
| STATES- 21,23,72,85                                  |      |                  |             |                    |           |             | DIFF.           | 118                | 1-         |                   |            |
| 1046733 RAYULMN GAYBLADE.....                        |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 09-28-48 869948 2775631                              | 214  | AI DAUGHTERS     | 308         | 11,890             | 3.8       | 448         |                 |                    |            |                   |            |
| AI STUD, 34-01 LISTED, 08-63                         | 210  | WITH HERD-MATES  | 303         | 11,920             | 3.8       | 449         | 15              | 12,829             | 467        | 11,345            | 429        |
| STATES- 31,34,52                                     |      |                  |             |                    |           |             | DIFF.           | 909-               | 18-        |                   |            |
|  | 49   | NON-AI DAUGHTERS | 158         | 13,070             | 3.7       | 489         |                 |                    |            |                   |            |
|  | 46   | WITH HERD-MATES  | 149         | 13,071             | 3.8       | 491         | 7               | 14,203             | 519        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 1132-              | 28-        |                   |            |
| 1047244 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 82   | 5    | NDN-AI DAUGHTERS | 22          | 14,614             | 3.6       | 527         |                 |                    |            |                   |            |
|  | 5    | WITH HERD-MATES  | 22          | 14,614             | 3.6       | 527         | 17              | 13,421             | 516        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 1193               | 11         |                   |            |
| 1049547 CHEMCD DEAN SEGIS.....                       |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 11-06-48 761977 2369115                              | 1754 | AI DAUGHTERS     | 3767        | 13,786             | 3.5       | 486         |                 |                    |            |                   |            |
| AI STUD, 21-01 LISTED, 08-63                         | 1546 | WITH HERD-MATES  | 3468        | 13,835             | 3.5       | 488         | 16              | 13,001             | 473        | 13,047            | 462        |
| STATES- 12,13,14,15,16,21,22,23,51,52,55,56,57       |      |                  |             |                    |           |             | DIFF.           | 834                | 15         |                   |            |
|  | 56   | NON-AI DAUGHTERS | 162         | 13,099             | 3.6       | 468         |                 |                    |            |                   |            |
|  | 31   | WITH HERD-MATES  | 90          | 13,307             | 3.6       | 477         | 12              | 12,495             | 453        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 812                | 24         |                   |            |
| 1051268 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 41,48,74                                     | 5    | NON-AI DAUGHTERS | 6           | 12,539             | 3.3       | 419         |                 |                    |            |                   |            |
|  | 4    | WITH HERD-MATES  | 4           | 12,520             | 3.3       | 408         | 10              | 12,958             | 456        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 438-               | 48-        |                   |            |
| 1052709 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 13,21  | 5    | NON-AI DAUGHTERS | 6           | 12,374             | 3.4       | 423         |                 |                    |            |                   |            |
|  | 2    | WITH HERD-MATES  | 2           | 14,640             | 3.4       | 503         | 6               | 14,366             | 486        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 274                | 17         |                   |            |
| 1054453 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 31,41  | 5    | NDN-AI DAUGHTERS | 6           | 18,096             | 3.7       | 669         |                 |                    |            |                   |            |
|  | 5    | WITH HERD-MATES  | 6           | 18,096             | 3.7       | 669         | 9               | 15,626             | 574        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 2470               | 95         |                   |            |
| 1055084 .....  |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 92   | 7    | NON-AI DAUGHTERS | 11          | 16,085             | 3.4       | 539         |                 |                    |            |                   |            |
|  | 7    | WITH HERD-MATES  | 9           | 16,527             | 3.4       | 554         | 9               | 14,648             | 504        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 1879               | 50         |                   |            |
| 1063172 PENSTATE STAR JDSIE BURKE.....               |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 01-23-49 998809 2569784                              | 89   | AI DAUGHTERS     | 273         | 11,475             | 3.8       | 432         |                 |                    |            |                   |            |
| AI STUD, 23-02                                       | 85   | WITH HERD-MATES  | 259         | 11,475             | 3.8       | 432         | 8               | 12,132             | 449        | 11,563            | 429        |
| STATES- 23,51  |      |                  |             |                    |           |             | DIFF.           | 657-               | 17-        |                   |            |
| 1063307 FRASEA BUTTER KING VROUKA ROMEO.....         |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 09-07-47 010097749 010524442                         | 456  | AI DAUGHTERS     | 651         | 12,221             | 3.7       | 457         |                 |                    |            |                   |            |
| AI STUD, 48-01 LISTED, 08-63                         | 388  | WITH HERD-MATES  | 562         | 12,186             | 3.7       | 455         | 15              | 12,365             | 454        | 11,984            | 446        |
| STATES- 35,48,63,73,74                               |      |                  |             |                    |           |             | DIFF.           | 179-               | 1          |                   |            |
|  | 40   | NDN-AI DAUGHTERS | 119         | 12,320             | 3.6       | 449         |                 |                    |            |                   |            |
|  | 16   | WITH HERD-MATES  | 47          | 11,207             | 3.6       | 399         | 10              | 12,064             | 437        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 857-               | 38-        |                   |            |
| 1064990 COCHRAN SOVEREIGN FAIRBRAE.....              |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 12-14-48 1007680 2666433                             | 680  | AI DAUGHTERS     | 1319        | 12,928             | 3.8       | 487         |                 |                    |            |                   |            |
| AI STUD, 23-04 LISTED, 08-63                         | 670  | WITH HERD-MATES  | 1289        | 12,969             | 3.8       | 489         | 13              | 13,181             | 496        | 12,030            | 442        |
| STATES- 21,23,51                                     |      |                  |             |                    |           |             | DIFF.           | 212-               | 7-         |                   |            |
|  | 29   | NDN-AI DAUGHTERS | 109         | 12,539             | 3.7       | 467         |                 |                    |            |                   |            |
|  | 15   | WITH HERD-MATES  | 69          | 12,849             | 3.8       | 485         | 5               | 12,677             | 479        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 172                | 6          |                   |            |
| 1066477 BROWNS MASTER ANTONY.....                    |      |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-17-48 010135583 010513326                         | 1593 | AI DAUGHTERS     | 2404        | 12,905             | 3.6       | 459         |                 |                    |            |                   |            |
| AI STUD, 52-01 LISTED, 08-63                         | 1435 | WITH HERD-MATES  | 2184        | 12,932             | 3.6       | 461         | 20              | 12,691             | 469        | 12,429            | 438        |
| STATES- 13,16,21,22,23,31,32,34,41,51,52,54,55,56,57 |      |                  |             |                    |           |             | DIFF.           | 241                | 8-         |                   |            |
|  | 35   | NDN-AI DAUGHTERS | 83          | 12,654             | 3.5       | 439         |                 |                    |            |                   |            |
|  | 33   | WITH HERD-MATES  | 79          | 12,398             | 3.5       | 430         | 12              | 12,731             | 463        |                   |            |
|  |      |                  |             |                    |           |             | DIFF.           | 333-               | 33-        |                   |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                   |      |                  |      |        | AV. RECORDS<br>NUMBER | PRODUCTION OF MILK<br>LB | TEST<br>% | DAU.<br>FAT<br>LB | ADJ. AV.<br>NUMBER | HERD-MATES MILK<br>LB | FAT<br>LB | PREDICTED AV.<br>MILK<br>LB | FAT<br>LB |
|--|------|------------------|------|--------|-----------------------|--------------------------|-----------|-------------------|--------------------|-----------------------|-----------|-----------------------------|-----------|
| 1068984 LAKEFIELD IOWANA F08ES.....        |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 02-06-49 925671 2701591                    | 627  | AI DAUGHTERS     | 1017 | 12,744 | 3.5                   | 450                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 34-01 LISTED, 08-63               | 603  | WITH HERD-MATES  | 963  | 12,761 | 3.5                   | 450                      |           |                   | 13                 | 12,970                | 471       | 12,012                      | 426       |
| STATES- 16,21,23,31,32,33,34,              |      |                  |      |        |                       |                          |           |                   | DIFF.              | 209-                  | 21-       |                             |           |
| 52   | 43   | NDN-AI DAUGHTERS | 130  | 12,235 | 3.5                   | 430                      |           |                   | 10                 | 12,947                | 470       |                             |           |
|  | 42   | WITH HERD-MATES  | 126  | 12,276 | 3.5                   | 430                      |           |                   | DIFF.              | 671-                  | 40-       |                             |           |
| 1071998 .....                              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 5    | NDN-AI DAUGHTERS | 14   | 12,454 | 3.6                   | 453                      |           |                   |                    |                       |           |                             |           |
| STATES- 21,23,91                           | 5    | WITH HERD-MATES  | 14   | 12,454 | 3.6                   | 453                      |           |                   | 22                 | 12,429                | 430       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 25                    | 23        |                             |           |
| 1072332 CARNATION PONTIAC DYNAMD.....      |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 07-15-48 808292 2462845                    | 829  | AI DAUGHTERS     | 1653 | 13,041 | 3.8                   | 491                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 91-01 LISTED, 08-63               | 668  | WITH HERD-MATES  | 1320 | 13,166 | 3.8                   | 494                      |           |                   | 11                 | 13,047                | 478       | 12,341                      | 463       |
| STATES- 34,81,82,91,92                     |      |                  |      |        |                       |                          |           |                   | DIFF.              | 119                   | 16        |                             |           |
| 1074403 HEERSCHE SMOKY BRUMMEL - TWIN..... |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 01-03-49 1003344 2211866                   | 199  | AI DAUGHTERS     | 316  | 12,308 | 3.7                   | 459                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 48-01 LISTED, 08-63               | 176  | WITH HERD-MATES  | 279  | 12,239 | 3.8                   | 459                      |           |                   | 14                 | 12,446                | 459       | 11,971                      | 445       |
| STATES- 47,48,73,74,85                     |      |                  |      |        |                       |                          |           |                   | DIFF.              | 207-                  |           |                             |           |
|  | 8    | NDN-AI DAUGHTERS | 17   | 13,485 | 3.6                   | 482                      |           |                   | 2                  | 12,071                | 473       |                             |           |
|  | 1    | WITH HERD-MATES  | 1    | 12,470 | 3.8                   | 473                      |           |                   | DIFF.              | 399                   |           |                             |           |
| 1077198 .....                              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 5    | NDN-AI DAUGHTERS | 9    | 9,143  | 4.1                   | 371                      |           |                   |                    |                       |           |                             |           |
| STATES- 35                                 | 5    | WITH HERD-MATES  | 8    | 9,224  | 4.0                   | 372                      |           |                   | 7                  | 11,033                | 395       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1809-                 | 23-       |                             |           |
| 1079115 NACHES CONFIDENT GDVERNDR.....     |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 03-29-49 1012487 2612742                   | 86   | AI DAUGHTERS     | 126  | 13,873 | 3.5                   | 481                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 91-01 LISTED, 08-63               | 84   | WITH HERD-MATES  | 121  | 13,890 | 3.5                   | 481                      |           |                   | 13                 | 13,475                | 492       | 12,613                      | 439       |
| STATES- 51,81,82,91                        |      |                  |      |        |                       |                          |           |                   | DIFF.              | 415                   | 11-       |                             |           |
|  | 33   | NDN-AI DAUGHTERS | 97   | 13,585 | 3.6                   | 492                      |           |                   | 8                  | 13,232                | 483       |                             |           |
|  | 30   | WITH HERD-MATES  | 75   | 13,543 | 3.6                   | 488                      |           |                   | DIFF.              | 311                   | 5         |                             |           |
| 1080108 JULE KING ADMIRAL F08ES.....       |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 03-03-49 912429 2564211                    | 244  | AI DAUGHTERS     | 255  | 12,341 | 3.7                   | 460                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 91-01 LISTED, 08-63               | 237  | WITH HERD-MATES  | 247  | 12,331 | 3.7                   | 460                      |           |                   | 14                 | 13,984                | 503       | 10,740                      | 409       |
| STATES- 81,82,87,91,93                     |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1653-                 | 43-       |                             |           |
|  | 53   | NDN-AI DAUGHTERS | 82   | 12,990 | 3.8                   | 490                      |           |                   | 9                  | 13,423                | 500       |                             |           |
|  | 51   | WITH HERD-MATES  | 69   | 13,115 | 3.8                   | 496                      |           |                   | DIFF.              | 308-                  | 4-        |                             |           |
| 1081468 .....                              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 5    | NDN-AI DAUGHTERS | 11   | 8,862  | 3.3                   | 293                      |           |                   |                    |                       |           |                             |           |
| STATES- 52                                 | 1    | WITH HERD-MATES  | 1    | 9,950  | 3.4                   | 343                      |           |                   | 24                 | 10,437                | 350       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 487-                  | 7-        |                             |           |
| 1082891 PA8ST JESS BURKE.....              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 09-24-49 984796 2508304                    | 1871 | AI DAUGHTERS     | 4482 | 12,860 | 3.9                   | 501                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 23-04 LISTED, 08-63               | 1810 | WITH HERD-MATES  | 4325 | 12,871 | 3.9                   | 502                      |           |                   | 11                 | 12,786                | 475       | 12,284                      | 474       |
| STATES- 21,22,23,51,57                     |      |                  |      |        |                       |                          |           |                   | DIFF.              | 85                    | 27        |                             |           |
|  | 3    | NDN-AI DAUGHTERS | 14   | 12,546 | 4.0                   | 499                      |           |                   | 9                  | 13,638                | 505       |                             |           |
|  | 2    | WITH HERD-MATES  | 12   | 13,959 | 4.1                   | 572                      |           |                   | DIFF.              | 321                   | 67        |                             |           |
| 1083114 ZURBRIDGE N08LY 8DRN.....          |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 03-09-49 827033 2412824                    | 1038 | AI DAUGHTERS     | 2467 | 12,814 | 3.7                   | 473                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 33-01 LISTED, 08-63               | 896  | WITH HERD-MATES  | 2186 | 12,873 | 3.7                   | 475                      |           |                   | 14                 | 12,486                | 468       | 12,549                      | 453       |
| STATES- 23,31,32,33,34,35,42,              |      |                  |      |        |                       |                          |           |                   | DIFF.              | 387                   | 7         |                             |           |
| 43,54,55,57,61,64,74,84,87                 |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 3    | NDN-AI DAUGHTERS | 7    | 11,502 | 3.8                   | 437                      |           |                   |                    |                       |           |                             |           |
|  | 3    | WITH HERD-MATES  | 6    | 11,420 | 3.8                   | 432                      |           |                   | 4                  | 12,625                | 448       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1205-                 | 16-       |                             |           |
| 1085978 SEARSFARM DEAN ADA IMPERIAL.....   |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 10-17-49 761977 2370901                    | 3086 | AI DAUGHTERS     | 3740 | 14,638 | 3.6                   | 524                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 21-01 LISTED, 08-63               | 2697 | WITH HERD-MATES  | 3260 | 14,682 | 3.6                   | 526                      |           |                   | 18                 | 13,530                | 489       | 13,413                      | 485       |
| STATES- 13,14,15,16,21,22,23,              |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1152                  | 37        |                             |           |
| 51,52,55,56                                |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 18   | NDN-AI DAUGHTERS | 65   | 15,341 | 3.6                   | 549                      |           |                   | 6                  | 13,350                | 481       |                             |           |
|  | 7    | WITH HERD-MATES  | 19   | 16,378 | 3.6                   | 596                      |           |                   | DIFF.              | 3028                  | 115       |                             |           |
| 1086084 .....                              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 6    | NDN-AI DAUGHTERS | 11   | 14,671 | 3.5                   | 512                      |           |                   |                    |                       |           |                             |           |
| STATES- 74                                 | 6    | WITH HERD-MATES  | 10   | 14,673 | 3.5                   | 512                      |           |                   | 4                  | 13,324                | 493       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1349                  | 19        |                             |           |
| 1088151 SIR RDELAND DAISY DANDY.....       |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 08-23-49 010197497 010586185               | 1869 | AI DAUGHTERS     | 2823 | 12,868 | 3.9                   | 503                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 35-75 LISTED, 08-63               | 1713 | WITH HERD-MATES  | 2618 | 12,876 | 3.9                   | 504                      |           |                   | 15                 | 13,060                | 478       | 12,044                      | 473       |
| STATES- 12,13,16,21,22,23,31,              |      |                  |      |        |                       |                          |           |                   | DIFF.              | 184-                  | 26        |                             |           |
| 32,33,34,35,41,42,45,47,48,50,             |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
| 51,52,55,56,57,58,61,63,64,73,             |      |                  |      |        |                       |                          |           |                   | 10                 | 12,436                | 459       |                             |           |
| 74,92                                      |      |                  |      |        |                       |                          |           |                   | DIFF.              | 109-                  | 4         |                             |           |
| 1088272 .....                              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 5    | NON-AI DAUGHTERS | 19   | 13,829 | 3.6                   | 498                      |           |                   |                    |                       |           |                             |           |
| STATES- 34                                 | 5    | WITH HERD-MATES  | 17   | 14,054 | 3.6                   | 503                      |           |                   | 6                  | 12,819                | 459       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1235                  | 44        |                             |           |
| 1089251 .....                              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 5    | NDN-AI DAUGHTERS | 7    | 11,038 | 3.7                   | 403                      |           |                   |                    |                       |           |                             |           |
| STATES- 31                                 | 4    | WITH HERD-MATES  | 5    | 10,649 | 3.5                   | 378                      |           |                   | 9                  | 12,125                | 429       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1476-                 | 51-       |                             |           |
| 1089998 .....                              |      |                  |      |        |                       |                          |           |                   |                    |                       |           |                             |           |
|  | 5    | AI DAUGHTERS     | 5    | 13,520 | 3.5                   | 477                      |           |                   |                    |                       |           |                             |           |
| AI STUD, 72-01                             |      | WITH HERD-MATES  | 5    | 13,520 | 3.5                   | 477                      |           |                   | 36                 | 12,554                | 441       | 12,427                      | 454       |
| STATES- 72                                 |      |                  |      |        |                       |                          |           |                   | DIFF.              | 966                   | 36        |                             |           |
|  | 1    | NDN-AI DAUGHTERS | 1    | 13,870 | 3.1                   | 435                      |           |                   |                    |                       |           |                             |           |
|  | 1    | WITH HERD-MATES  | 1    | 13,870 | 3.1                   | 435                      |           |                   | 32                 | 12,372                | 426       |                             |           |
|  |      |                  |      |        |                       |                          |           |                   | DIFF.              | 1498                  | 9         |                             |           |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   |      |                  | AV. PRODUCTION OF | DAU.   | ADJ. | HERD-MATES | AV.    | PREDICTED | AV. |
|--|------|------------------|-------------------|--------|------|------------|--------|-----------|-----|
|  |      |                  | RECORDS           | MILK   | TEST | FAT        | AV.    | MILK      | FAT |
|  |      |                  | NUMBER            | L8     | %    | L8         | NUMBER | L8        | L8  |
| 1090340 CAMPTON HILLS SIR TY VIC IOEAL.....      |      |                  |                   |        |      |            |        |           |     |
| 06-12-49 923749 2236383                          | 915  | AI DAUGHTERS     | 2235              | 13,676 | 3.7  | 510        |        |           |     |
| AI STUO, 33-01 LISTED, 08-63                     | 826  | WITH HERD-MATES  | 2052              | 13,681 | 3.7  | 511        | 13     | 12,444    | 466 |
| STATES- 21,32,33,35,42,43,48,                    |      |                  |                   |        |      |            | OIFF.  | 1237      | 45  |
| 54,57,61   | 1    | NON-AI DAUGHTERS | 3                 | 13,120 | 3.5  | 456        |        |           |     |
|  | 1    | WITH HERD-MATES  | 3                 | 13,120 | 3.5  | 456        | 3      | 10,680    | 392 |
|  |      |                  |                   |        |      |            | OIFF.  | 2440      | 64  |
| 1090981 CARNATION PROGRESSOR HEILO 8DY.....      |      |                  |                   |        |      |            |        |           |     |
| 04-25-49 808292 2354984                          | 1372 | AI DAUGHTERS     | 2366              | 14,203 | 3.6  | 516        |        |           |     |
| AI STUO, 91-01 LISTED, 08-63                     | 1089 | WITH HERD-MATES  | 1911              | 14,373 | 3.6  | 519        | 11     | 13,434    | 491 |
| STATES- 34,35,81,82,86,91,92                     |      |                  |                   |        |      |            | OIFF.  | 939       | 28  |
|  | 56   | NON-AI DAUGHTERS | 198               | 14,475 | 3.7  | 530        |        |           |     |
|  | 53   | WITH HERD-MATES  | 191               | 14,352 | 3.7  | 525        | 8      | 13,608    | 494 |
|  |      |                  |                   |        |      |            | OIFF.  | 744       | 31  |
| 1092428 MOOEL AAGGIE BURKE.....                  |      |                  |                   |        |      |            |        |           |     |
| 09-02-49 819478 2713077                          | 835  | AI DAUGHTERS     | 1191              | 12,107 | 3.5  | 429        |        |           |     |
| AI STUO, 41-01 LISTED, 08-63                     | 689  | WITH HERD-MATES  | 981               | 12,150 | 3.5  | 431        | 9      | 12,417    | 444 |
| STATES- 41,42,43,45,46,48                        |      |                  |                   |        |      |            | OIFF.  | 267-      | 13- |
|  | 16   | NON-AI DAUGHTERS | 25                | 11,914 | 3.6  | 430        |        |           |     |
|  | 15   | WITH HERD-MATES  | 24                | 12,073 | 3.6  | 439        | 8      | 12,502    | 449 |
|  |      |                  |                   |        |      |            | OIFF.  | 429-      | 10- |
| 1094074 CLYOE HILL MASTER KING F08ES.....        |      |                  |                   |        |      |            |        |           |     |
| 11-05-49 835633 2253553                          | 2203 | AI DAUGHTERS     | 3050              | 13,333 | 3.6  | 479        |        |           |     |
| AI STUO, 21-01 LISTED, 08-63                     | 2071 | WITH HERD-MATES  | 2908              | 13,332 | 3.6  | 480        | 19     | 13,509    | 490 |
| STATES- 12,13,14,16,21,22,23,                    |      |                  |                   |        |      |            | OIFF.  | 177-      | 10- |
| 51,52,56   | 86   | NON-AI DAUGHTERS | 276               | 13,885 | 3.7  | 510        |        |           |     |
|  | 74   | WITH HERD-MATES  | 251               | 14,136 | 3.6  | 515        | 15     | 13,694    | 505 |
|  |      |                  |                   |        |      |            | OIFF.  | 442       | 10  |
| 1094296 GRAY VIEW JONAH BURKE.....               |      |                  |                   |        |      |            |        |           |     |
| 06-14-49 895911 2202254                          | 11   | AI DAUGHTERS     | 28                | 13,100 | 3.7  | 482        |        |           |     |
| AI STUO, 35-01 LISTED, 08-63                     | 11   | WITH HERD-MATES  | 28                | 13,100 | 3.7  | 482        | 12     | 12,980    | 470 |
| STATES- 35,42                                    |      |                  |                   |        |      |            | OIFF.  | 120       | 12  |
|  | 19   | NON-AI DAUGHTERS | 41                | 11,911 | 3.5  | 417        |        |           |     |
|  | 19   | WITH HERD-MATES  | 41                | 11,911 | 3.5  | 417        | 8      | 12,032    | 430 |
|  |      |                  |                   |        |      |            | OIFF.  | 121-      | 13- |
| 1094305 GRAY VIEW PANSY PILOT.....               |      |                  |                   |        |      |            |        |           |     |
| 08-04-49 959466 2131575                          | 931  | AI DAUGHTERS     | 1316              | 13,623 | 3.7  | 503        |        |           |     |
| AI STUO, 31-01 LISTED, 08-63                     | 869  | WITH HERD-MATES  | 1239              | 13,661 | 3.7  | 505        | 14     | 13,587    | 496 |
| STATES- 11,12,13,14,15,16,21,                    |      |                  |                   |        |      |            | OIFF.  | 74        | 9   |
| 22,23,31,32,34,35,42,47,52,54,                   | 94   | NON-AI DAUGHTERS | 328               | 14,183 | 3.8  | 542        |        |           |     |
| 55,57,63,65,71,74,81,84,85,92                    | 89   | WITH HERD-MATES  | 320               | 14,235 | 3.8  | 541        | 17     | 13,962    | 530 |
|  |      |                  |                   |        |      |            | OIFF.  | 273       | 11  |
| 1098427 SHIAWANA F08ES 8EAUTY.....               |      |                  |                   |        |      |            |        |           |     |
| 01-07-50 822837 2522779                          | 307  | AI DAUGHTERS     | 494               | 13,411 | 3.6  | 489        |        |           |     |
| AI STUO, 34-01 LISTED, 08-63                     | 303  | WITH HERD-MATES  | 487               | 13,433 | 3.6  | 490        | 15     | 13,030    | 474 |
| STATES- 21,22,34                                 |      |                  |                   |        |      |            | OIFF.  | 403       | 16  |
|  | 10   | NON-AI DAUGHTERS | 19                | 12,845 | 3.6  | 468        |        |           |     |
|  | 9    | WITH HERD-MATES  | 18                | 12,608 | 3.7  | 467        | 10     | 12,621    | 455 |
|  |      |                  |                   |        |      |            | OIFF.  | 13-       | 12  |
| 1098656 WIS IOEAL CONCENTRATE.....               |      |                  |                   |        |      |            |        |           |     |
| 02-05-50 933122 2628437                          | 179  | AI DAUGHTERS     | 270               | 15,171 | 3.6  | 545        |        |           |     |
| AI STUO, 93-03 LISTED, 08-63                     | 178  | WITH HERD-MATES  | 269               | 15,173 | 3.6  | 546        | 91     | 15,488    | 567 |
| STATES- 11,86,91,93                              |      |                  |                   |        |      |            | OIFF.  | 315-      | 21- |
| 1099534 O188LE CRESCENT ADMIRAL KING - TWIN..... |      |                  |                   |        |      |            |        |           |     |
| 10-18-49 929716 2536443                          | 123  | AI DAUGHTERS     | 128               | 11,991 | 3.6  | 434        |        |           |     |
| AI STUO, 35-02 LISTED, 08-63                     | 116  | WITH HERD-MATES  | 121               | 11,963 | 3.6  | 434        | 13     | 12,714    | 464 |
| STATES- 33,34,35,42,72,84                        |      |                  |                   |        |      |            | OIFF.  | 751-      | 30- |
|  | 37   | NON-AI DAUGHTERS | 87                | 12,229 | 3.6  | 441        |        |           |     |
|  | 35   | WITH HERD-MATES  | 83                | 12,204 | 3.6  | 442        | 9      | 12,658    | 464 |
|  |      |                  |                   |        |      |            | OIFF.  | 454-      | 22- |
| 1100875 .....                                    |      |                  |                   |        |      |            |        |           |     |
|  | 5    | NON-AI DAUGHTERS | 11                | 13,681 | 3.4  | 465        |        |           |     |
| STATES- 41                                       | 5    | WITH HERD-MATES  | 11                | 13,681 | 3.4  | 465        | 15     | 12,935    | 469 |
|  |      |                  |                   |        |      |            | OIFF.  | 746       | 4-  |
| 1101009 .....                                    |      |                  |                   |        |      |            |        |           |     |
|  | 7    | NON-AI DAUGHTERS | 18                | 15,073 | 3.4  | 511        |        |           |     |
| STATES- 13,21                                    | 7    | WITH HERD-MATES  | 17                | 15,017 | 3.4  | 510        | 6      | 13,180    | 470 |
|  |      |                  |                   |        |      |            | OIFF.  | 1837      | 40  |
| 1102210 HEERSCHE 8EAUTY NEPTUNE - TWIN.....      |      |                  |                   |        |      |            |        |           |     |
| 10-09-49 1004795 2819735                         | 128  | AI DAUGHTERS     | 144               | 12,905 | 3.5  | 453        |        |           |     |
| AI STUO, 48-01 LISTED, 08-63                     | 116  | WITH HERD-MATES  | 131               | 12,960 | 3.5  | 454        | 19     | 12,271    | 450 |
| STATES- 47,48,63,73,85                           |      |                  |                   |        |      |            | OIFF.  | 689       | 4   |
|  | 28   | NON-AI DAUGHTERS | 60                | 14,851 | 3.4  | 506        |        |           |     |
|  | 10   | WITH HERD-MATES  | 25                | 13,593 | 3.4  | 458        | 13     | 12,654    | 460 |
|  |      |                  |                   |        |      |            | OIFF.  | 939       | 2-  |
| 1102436 PA8ST ROADER OLIVER.....                 |      |                  |                   |        |      |            |        |           |     |
| 03-08-50 859213 3073680                          | 2941 | AI DAUGHTERS     | 5523              | 12,917 | 3.8  | 494        |        |           |     |
| AI STUO, 23-05 LISTED, 08-63                     | 2869 | WITH HERD-MATES  | 5371              | 12,953 | 3.8  | 495        | 11     | 12,630    | 473 |
| STATES- 21,23,31,51,52,54,57                     |      |                  |                   |        |      |            | OIFF.  | 323       | 22  |
|  | 1    | NON-AI DAUGHTERS | 1                 | 11,670 | 3.6  | 415        |        |           |     |
|  | 1    | WITH HERD-MATES  | 1                 | 11,670 | 3.6  | 415        | 2      | 11,095    | 385 |
|  |      |                  |                   |        |      |            | OIFF.  | 575       | 30  |
| 1103111 .....                                    |      |                  |                   |        |      |            |        |           |     |
|  | 7    | NON-AI DAUGHTERS | 7                 | 12,569 | 3.8  | 481        |        |           |     |
| STATES- 23                                       | 7    | WITH HERD-MATES  | 7                 | 12,569 | 3.8  | 481        | 11     | 13,558    | 501 |
|  |      |                  |                   |        |      |            | OIFF.  | 989-      | 20- |
| 1103454 .....                                    |      |                  |                   |        |      |            |        |           |     |
|  | 5    | NON-AI DAUGHTERS | 15                | 14,344 | 3.2  | 456        |        |           |     |
| STATES- 32,35                                    | 5    | WITH HERD-MATES  | 15                | 14,344 | 3.2  | 456        | 21     | 12,983    | 467 |
|  |      |                  |                   |        |      |            | OIFF.  | 1361      | 11- |

## SIREs OF DHIA DAUGHTERS

| SIRES OF DAIRY DAUGHTERS  |  |  |  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES |        |     | AV. PREDICTED |     |
|---|--|--|--|------------------------|--------|------|-----|-----------------|--------|-----|---------------|-----|
| HOLSTEIN  |  |  |  | RECORDS                | MILK   | TEST | FAT | AV.             | MILK   | FAT | MILK          | FAT |
|   |  |  |  | NUMBER                 | L8     | %    | L8  | NUMBER          | L8     | L8  | L8            | L8  |
| 1104658 PABST JESS REWAYNE.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 03-29-50 984796 2669796 507 AI DAUGHTERS  |  |  |  | 602                    | 12,851 | 4.0  | 512 |                 |        |     |               |     |
| AI STUD, 23-05 LISTED, 08-63 497 WITH HERD-MATES  |  |  |  | 587                    | 12,884 | 4.0  | 512 | 14              | 12,979 | 489 | 12,124        | 470 |
| STATES- 21,23,54  |  |  |  |                        |        |      |     | DIFF.           | 95-    | 23  |               |     |
|   |  |  |  | 28                     | 12,762 | 3.9  | 492 | 8               | 12,803 | 475 |               |     |
|   |  |  |  | 28                     | 12,766 | 3.9  | 492 | DIFF.           | 37-    | 17  |               |     |
| 1105091 .....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
|   |  |  |  | 5                      | 14,501 | 3.7  | 532 |                 |        |     |               |     |
| STATES- 13,52   |  |  |  | 3                      | 14,752 | 3.7  | 539 | 15              | 14,252 | 541 |               |     |
|   |  |  |  |                        |        |      |     | DIFF.           | 500    | 2-  |               |     |
| 1106334 ELMOKA JOE HOMESTEAD.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 12-30-49 933248 2844742 221 AI DAUGHTERS  |  |  |  | 441                    | 12,835 | 3.8  | 493 |                 |        |     |               |     |
| AI STUD, 35-05 LISTED, 08-63 213 WITH HERD-MATES  |  |  |  | 429                    | 12,836 | 3.8  | 493 | 14              | 12,540 | 460 | 12,451        | 477 |
| STATES- 22,23,31,33,34,35,42, 48,52,55,56,61,74   |  |  |  |                        |        |      |     | DIFF.           | 296    | 33  |               |     |
|   |  |  |  | 20                     | 13,044 | 3.9  | 511 | 8               | 13,054 | 489 |               |     |
|   |  |  |  | 18                     | 13,293 | 3.9  | 521 | DIFF.           | 239    | 32  |               |     |
| 1106455 HEERSCHÉ CAREY PERFECTION.....  |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 11-28-49 1063307 2586238 698 AI DAUGHTERS   |  |  |  | 1085                   | 12,521 | 3.8  | 472 |                 |        |     |               |     |
| AI STUD, 48-01 LISTED, 08-63 636 WITH HERD-MATES  |  |  |  | 987                    | 12,590 | 3.8  | 475 | 14              | 12,412 | 455 | 12,337        | 465 |
| STATES- 43,47,48,63,71,73,74, 85  |  |  |  |                        |        |      |     | DIFF.           | 178    | 20  |               |     |
|   |  |  |  | 39                     | 13,550 | 3.7  | 503 | 7               | 13,594 | 495 |               |     |
|   |  |  |  | 31                     | 13,485 | 3.7  | 501 | DIFF.           | 109-   | 6   |               |     |
| 1107952 .....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
|   |  |  |  | 5                      | 12,920 | 3.4  | 444 |                 |        |     |               |     |
| STATES- 41  |  |  |  | 5                      | 12,920 | 3.4  | 444 | 6               | 12,274 | 405 |               |     |
|   |  |  |  |                        |        |      |     | DIFF.           | 646    | 39  |               |     |
| 1108403 .....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
|   |  |  |  | 8                      | 10,343 | 3.6  | 377 |                 |        |     |               |     |
| STATES- 21,47,48  |  |  |  | 7                      | 10,613 | 3.6  | 382 | 13              | 12,116 | 457 |               |     |
|   |  |  |  |                        |        |      |     | DIFF.           | 1503-  | 75- |               |     |
| 1108504 HYATT PURE ADMIRAL.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 11-02-49 769170 2197220 1676 AI DAUGHTERS   |  |  |  | 3091                   | 12,802 | 3.7  | 480 |                 |        |     |               |     |
| AI STUD, 23-05 LISTED, 08-63 1635 WITH HERD-MATES   |  |  |  | 3001                   | 12,824 | 3.8  | 481 | 11              | 12,401 | 465 | 12,581        | 462 |
| STATES- 21,23,31,51,52,54   |  |  |  |                        |        |      |     | DIFF.           | 423    | 16  |               |     |
| 1111648 .....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
|   |  |  |  | 5                      | 10,266 | 3.3  | 342 |                 |        |     |               |     |
| STATES- 21  |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 1112211 PABST REBURKE DUKE.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 07-08-50 901195 2373582 1042 AI DAUGHTERS   |  |  |  | 1541                   | 15,074 | 3.6  | 539 |                 |        |     |               |     |
| AI STUD, 31-01 LISTED, 08-63 1008 WITH HERD-MATES   |  |  |  | 1490                   | 15,129 | 3.6  | 541 | 19              | 13,780 | 499 | 13,618        | 490 |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,35,41,42,43,48, 51,52,54,55,56,57,61,65,71,73, 74,84,85,86 |  |  |  |                        |        |      |     | DIFF.           | 1349   | 42  |               |     |
|   |  |  |  | 131                    | 15,883 | 3.6  | 570 | 21              | 13,884 | 504 |               |     |
|   |  |  |  | 124                    | 15,758 | 3.6  | 565 | DIFF.           | 1874   | 61  |               |     |
| 1112369 .....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
|   |  |  |  | 5                      | 13,805 | 3.4  | 464 |                 |        |     |               |     |
| STATES- 21  |  |  |  | 1                      | 16,450 | 3.1  | 516 | 30              | 13,459 | 483 |               |     |
|   |  |  |  |                        |        |      |     | DIFF.           | 2991   | 33  |               |     |
| 1113350 RAVEN BURKE IDEAL.....  |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 04-22-50 1013415 2948519 1491 AI DAUGHTERS  |  |  |  | 2063                   | 14,163 | 3.6  | 507 |                 |        |     |               |     |
| AI STUD, 31-02 LISTED, 08-63 1420 WITH HERD-MATES   |  |  |  | 1975                   | 14,137 | 3.6  | 506 | 19              | 13,499 | 488 | 12,901        | 466 |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,35,41,43,47,48, 52,54,55,56,61,63,64,74,84,86, 91,93       |  |  |  |                        |        |      |     | DIFF.           | 638    | 18  |               |     |
|   |  |  |  | 2                      | 12,875 | 3.5  | 451 | 15              | 11,987 | 429 |               |     |
|   |  |  |  | 2                      | 12,875 | 3.5  | 451 | DIFF.           | 888    | 22  |               |     |
| 1113415 .....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
|   |  |  |  | 5                      | 13,028 | 3.4  | 438 |                 |        |     |               |     |
| STATES- 21,74   |  |  |  | 5                      | 13,028 | 3.4  | 438 | 4               | 13,323 | 461 |               |     |
|   |  |  |  |                        |        |      |     | DIFF.           | 295-   | 23- |               |     |
| 1117039 PDND GATE MISTER.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 08-06-50 1019313 2760877 1038 AI DAUGHTERS  |  |  |  | 1311                   | 10,854 | 3.8  | 417 |                 |        |     |               |     |
| AI STUD, 51-02 LISTED, 08-63 994 WITH HERD-MATES  |  |  |  | 1261                   | 10,846 | 3.8  | 417 | 19              | 12,479 | 467 | 10,568        | 397 |
| STATES- 22,23,31,51,52,54,55, 61,87   |  |  |  |                        |        |      |     | DIFF.           | 1633-  | 50- |               |     |
|   |  |  |  | 58                     | 12,689 | 3.8  | 488 | 16              | 13,493 | 503 |               |     |
|   |  |  |  | 58                     | 12,672 | 3.8  | 487 | DIFF.           | 821-   | 16- |               |     |
| 1117633 WEBER ROAMER BURKE CYCLONE.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 08-30-50 914049 2488549 27 AI DAUGHTERS   |  |  |  | 29                     | 17,271 | 3.6  | 618 |                 |        |     |               |     |
| AI STUD, 93-05 LISTED, 08-63 27 WITH HERD-MATES   |  |  |  | 29                     | 17,271 | 3.6  | 618 | 68              | 17,149 | 620 | 12,565        | 455 |
| STATES- 35,87,91,93   |  |  |  |                        |        |      |     | DIFF.           | 122    | 2-  |               |     |
|   |  |  |  | 25                     | 13,750 | 3.7  | 507 | 27              | 13,969 | 509 |               |     |
|   |  |  |  | 25                     | 13,748 | 3.7  | 507 | DIFF.           | 221-   | 2-  |               |     |
| 1117834 WIS HERD.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 09-28-50 1013418 2881144 319 AI DAUGHTERS   |  |  |  | 430                    | 12,993 | 3.6  | 470 |                 |        |     |               |     |
| AI STUD, 41-01 LISTED, 08-63 280 WITH HERD-MATES  |  |  |  | 381                    | 13,016 | 3.6  | 472 | 17              | 12,578 | 454 | 12,593        | 462 |
| STATES- 35,41,42,43,45,46,47, 71  |  |  |  |                        |        |      |     | DIFF.           | 438    | 18  |               |     |
|   |  |  |  | 45                     | 13,250 | 3.6  | 476 | 9               | 12,830 | 469 |               |     |
|   |  |  |  | 43                     | 13,144 | 3.6  | 472 | DIFF.           | 314    | 3   |               |     |
| 1118038 CARNATION STANDOUT.....   |  |  |  |                        |        |      |     |                 |        |     |               |     |
| 02-25-50 808292 2462860 9 AI DAUGHTERS  |  |  |  | 9                      | 11,687 | 3.6  | 425 |                 |        |     |               |     |
| AI STUD, 35-02 LISTED, 08-63 8 WITH HERD-MATES  |  |  |  | 8                      | 11,550 | 3.6  | 419 | 14              | 12,835 | 469 | 11,649        | 425 |
| STATES- 23,33,35,50,51,54   |  |  |  |                        |        |      |     | DIFF.           | 1285-  | 50- |               |     |
|   |  |  |  | 16                     | 11,703 | 3.7  | 434 | 15              | 12,234 | 453 |               |     |
|   |  |  |  | 13                     | 12,027 | 3.7  | 441 | DIFF.           | 207-   | 12- |               |     |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |                     |         | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV.  |
|---|---------------------|---------|------------------------|---------------------|----------------|
|   |                     | RECORDS | MILK                   | MILK                | MILK           |
|   |                     | NUMBER  | L8                     | L8                  | L8             |
|   |                     |         | TEST                   | FAT                 | FAT            |
|   |                     |         | %                      | L8                  | L8             |
| 1119153   | 12 NON-AI DAUGHTERS | 12      | 12,153                 | 3.6                 | 432            |
| STATES- 31  | 12 WITH HERD-MATES  | 12      | 12,153                 | 3.6                 | 432            |
|   |                     |         |                        | 43 DIFF.            | 11,541 384 48  |
| 1119514 HICKORY CREEK PROUD PRINCE.....           |                     |         |                        |                     |                |
| 09-30-49 949159 2272641 968 AI DAUGHTERS          |                     | 2121    | 13,093                 | 3.5                 | 452            |
| AI STUD, 33-03 LISTED, 08-63 934 WITH HERD-MATES  |                     | 2056    | 13,143                 | 3.5                 | 454            |
| STATES- 11,12,13,14,16,21,22,                     |                     |         |                        | 12 DIFF.            | 12,758 468 14- |
| 23,31,32,33,34,35,41,42,43,45,                    | 1 NON-AI DAUGHTERS  | 4       | 13,045                 | 3.6                 | 472            |
| 47,50,51,52,54,55,56,58,61,63,                    | 1 WITH HERD-MATES   | 4       | 13,045                 | 3.6                 | 472            |
| 74,82,83,84,86,87,91,92,93,94                     |                     |         |                        | 6 DIFF.             | 13,689 497 25- |
| 1119686 SPRUCELEIGH MONOGRAM RAG APPLE.....       |                     |         |                        |                     |                |
| 01-09-50 010198871 010415059 1946 AI DAUGHTERS    |                     | 3131    | 12,802                 | 3.9                 | 499            |
| AI STUD, 23-05 LISTED, 08-63 1914 WITH HERD-MATES |                     | 3069    | 12,808                 | 3.9                 | 499            |
| STATES- 21,22,23,51,54,64                         |                     |         |                        | 12 DIFF.            | 12,691 476 23  |
|   | 1 NON-AI DAUGHTERS  | 2       | 10,870                 | 3.3                 | 362            |
|   | 1 WITH HERD-MATES   | 2       | 10,870                 | 3.3                 | 362            |
|   |                     |         |                        | 3 DIFF.             | 10,268 359 3   |
| 1119698   | 5 NON-AI DAUGHTERS  | 6       | 10,178                 | 4.0                 | 408            |
| STATES- 21,23                                     | 3 WITH HERD-MATES   | 3       | 10,097                 | 4.4                 | 441            |
|   |                     |         |                        | 10 DIFF.            | 11,929 465 24- |
| 1120279   | 5 NON-AI DAUGHTERS  | 11      | 9,576                  | 3.4                 | 330            |
| STATES- 35,56,63                                  | 5 WITH HERD-MATES   | 10      | 9,382                  | 3.4                 | 323            |
|   |                     |         |                        | 23 DIFF.            | 11,421 408 85- |
| 1120619 ADMIRAL ORMSBY COMET.....                 |                     |         |                        |                     |                |
| 08-01-50 1024451 2688651 23 AI DAUGHTERS          |                     | 49      | 12,764                 | 3.6                 | 456            |
| AI STUD, 35-01 LISTED, 08-63 23 WITH HERD-MATES   |                     | 48      | 12,756                 | 3.6                 | 456            |
| STATES- 22,35,55,61                               |                     |         |                        | 11 DIFF.            | 12,531 456 225 |
| 1121706 UNEEOA PICA PRINCE.....                   |                     |         |                        |                     |                |
| 08-18-50 915469 2210077 1215 AI DAUGHTERS         |                     | 1734    | 12,932                 | 3.9                 | 504            |
| AI STUD, 31-02 LISTED, 08-63 1046 WITH HERD-MATES |                     | 1540    | 12,967                 | 3.9                 | 506            |
| STATES- 15,16,21,23,31,32,33,                     |                     |         |                        | 15 DIFF.            | 12,953 466 40  |
| 34,35,43,51,54,55,56,57,61,63,                    | 27 NON-AI DAUGHTERS | 67      | 14,053                 | 4.0                 | 563            |
| 64,74,85  | 26 WITH HERD-MATES  | 63      | 14,106                 | 4.0                 | 565            |
|   |                     |         |                        | 7 DIFF.             | 13,576 499 66  |
| 1121833   | 5 NON-AI DAUGHTERS  | 13      | 10,778                 | 3.3                 | 358            |
| STATES- 52  | 5 WITH HERD-MATES   | 12      | 10,773                 | 3.3                 | 358            |
|   |                     |         |                        | 11 DIFF.            | 11,100 408 50- |
| 1122127 HICKORYVALE 8 8 LAO.....                  |                     |         |                        |                     |                |
| 08-12-50 986779 2658395 259 AI DAUGHTERS          |                     | 434     | 13,265                 | 3.7                 | 486            |
| AI STUD, 51-02 LISTED, 08-63 237 WITH HERD-MATES  |                     | 402     | 13,261                 | 3.7                 | 487            |
| STATES- 23,31,50,51,52,54,55                      |                     |         |                        | 16 DIFF.            | 12,146 455 32  |
|   | 39 NON-AI DAUGHTERS | 111     | 14,092                 | 3.6                 | 509            |
|   | 37 WITH HERD-MATES  | 105     | 14,112                 | 3.6                 | 511            |
|   |                     |         |                        | 13 DIFF.            | 12,842 472 39  |
| 1122141   | 5 NON-AI DAUGHTERS  | 9       | 13,375                 | 3.6                 | 484            |
| STATES- 21  | 5 WITH HERD-MATES   | 9       | 13,375                 | 3.6                 | 484            |
|   |                     |         |                        | 20 DIFF.            | 12,313 451 33  |
| 1122159 ANTHONY ROCKWOOD ROCKET.....              |                     |         |                        |                     |                |
| 08-18-49 010180114 D10570396 1804 AI DAUGHTERS    |                     | 3531    | 12,656                 | 3.7                 | 463            |
| AI STUD, 33-01 LISTED, 08-63 1635 WITH HERD-MATES |                     | 3283    | 12,728                 | 3.7                 | 466            |
| STATES- 21,23,32,33,34,35,41,                     |                     |         |                        | 14 DIFF.            | 12,681 480 14- |
| 42,43,45,47,48,52,54,55,56,57,                    | 31 NON-AI DAUGHTERS | 58      | 13,458                 | 3.6                 | 478            |
| 61,63,64,83,84,86                                 | 28 WITH HERD-MATES  | 55      | 13,207                 | 3.5                 | 468            |
|   |                     |         |                        | 10 DIFF.            | 12,657 459 9   |
| 1122266 PENSTATE LUCIFER STAR.....                |                     |         |                        |                     |                |
| 07-01-50 769170 2171820 1869 AI DAUGHTERS         |                     | 3563    | 12,135                 | 3.9                 | 469            |
| AI STUD, 23-08 LISTED, 08-63 1801 WITH HERD-MATES |                     | 3431    | 12,153                 | 3.9                 | 470            |
| STATES- 14,16,21,22,23,50,51,                     |                     |         |                        | 13 DIFF.            | 12,600 481 11- |
| 52,54,57  |                     |         |                        |                     |                |
| 1122267 PENSTATE LUCIFER HAPPY JOE.....           |                     |         |                        |                     |                |
| 07-08-50 769170 2366568 69 AI DAUGHTERS           |                     | 161     | 11,594                 | 3.6                 | 421            |
| AI STUD, 23-08 68 WITH HERD-MATES                 |                     | 158     | 11,590                 | 3.6                 | 420            |
| STATES- 23,51                                     |                     |         |                        | 11 DIFF.            | 11,742 445 25- |
| 1122271 PENSTATE SPRUCELEIGH LADDIE.....          |                     |         |                        |                     |                |
| 10-15-50 1016853 2655349 52 AI DAUGHTERS          |                     | 124     | 10,888                 | 3.8                 | 413            |
| AI STUD, 23-05 51 WITH HERD-MATES                 |                     | 122     | 10,964                 | 3.8                 | 415            |
| STATES- 23,51,64                                  |                     |         |                        | 8 DIFF.             | 11,608 435 20- |
| 1123039 PENSTATE HAPPY ARMAC.....                 |                     |         |                        |                     |                |
| 07-06-50 1016852 2174176 96 AI DAUGHTERS          |                     | 220     | 11,104                 | 3.8                 | 421            |
| AI STUD, 23-05 91 WITH HERD-MATES                 |                     | 211     | 11,164                 | 3.8                 | 423            |
| STATES- 23,31                                     |                     |         |                        | 11 DIFF.            | 12,020 443 20- |
| 1125174 HUDD FARM LAUXMONT MASTER.....            |                     |         |                        |                     |                |
| 03-09-50 982921 2544959 47 NON-AI DAUGHTERS       |                     | 110     | 12,901                 | 4.2                 | 543            |
| AI STUD, 34-01 LISTED, 08-63 45 WITH HERD-MATES   |                     | 107     | 12,855                 | 4.2                 | 541            |
| STATES- 14,21,22,23,34,35,50,                     |                     |         |                        | 12 DIFF.            | 13,711 519 22  |
| 51,55   |                     |         |                        |                     |                |
| 1125875 FRANLO ANTONY ROEBUCK REPETE - TWIN.....  |                     |         |                        |                     |                |
| 07-23-50 1066477 2305883 61 NON-AI DAUGHTERS      |                     | 145     | 13,349                 | 3.6                 | 485            |
| AI STUD, 35-04 LISTED, 08-63 60 WITH HERD-MATES   |                     | 141     | 13,388                 | 3.6                 | 487            |
| STATES- 35,41,42,72,91                            |                     |         |                        | 17 DIFF.            | 13,633 496 9-  |
| 1125902   | 5 NON-AI DAUGHTERS  | 6       | 13,000                 | 3.8                 | 490            |
| STATES- 51  | 5 WITH HERD-MATES   | 6       | 13,000                 | 3.8                 | 490            |
|   |                     |         |                        | 26 DIFF.            | 14,277 531 41- |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   |      |                  |      | AV. PRDUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV.         |
|--|------|------------------|------|-----------------------|---------------------|-----------------------|
|  |      |                  |      | RECDROS MILK TEST FAT | AV. MILK FAT        | MILK FAT              |
|  |      |                  |      | NUMBER L8 % L8        | NUMBER L8 L8        | L8 L8                 |
| 1126307 WIS MAGISTRATE BURKE.....  |      |                  |      |                       |                     |                       |
| 12-03-50 999669 2980159  | 46   | AI DAUGHTERS     | 49   | 17,334                | 3.7                 | 642                   |
| AI STUD, 93-05 LISTED, 08-63   | 45   | WITH HERD-MATES  | 48   | 17,465                | 3.7                 | 648                   |
| STATES- 46,86,91,92,93   |      |                  |      |                       | 62                  | 16,693 611 13,093 486 |
|  |      |                  |      |                       | DIFF.               | 772 37                |
| 1127120 CHRISTY HOMESTEAD DUKE.....  |      |                  |      |                       |                     |                       |
| 09-23-50 1001768 3101843   | 126  | AI DAUGHTERS     | 205  | 11,549                | 3.8                 | 437                   |
| AI STUD, 34-01 LISTED, 08-63   | 126  | WITH HERD-MATES  | 205  | 11,549                | 3.8                 | 437                   |
| STATES- 32,34  |      |                  |      |                       | 15                  | 12,611 461 11,212 424 |
|  |      |                  |      |                       | DIFF.               | 1062- 24-             |
|  | 16   | NDN-AI DAUGHTERS | 41   | 11,341                | 3.9                 | 438                   |
|  | 16   | WITH HERD-MATES  | 41   | 11,341                | 3.9                 | 438                   |
|  |      |                  |      |                       | 7                   | 12,281 451            |
|  |      |                  |      |                       | DIFF.               | 940- 13-              |
| 1127121 .....  |      |                  |      |                       |                     |                       |
|  | 5    | NDN-AI DAUGHTERS | 8    | 11,962                | 3.9                 | 464                   |
| STATES- 32,34  | 5    | WITH HERD-MATES  | 8    | 11,962                | 3.9                 | 464                   |
|  |      |                  |      |                       | 11                  | 12,079 438            |
|  |      |                  |      |                       | DIFF.               | 117- 26               |
| 1127694 CLYDE HILL SIR EMPEROR DRMSBY.....   |      |                  |      |                       |                     |                       |
| 10-30-50 1051665 2644804   | 1471 | AI DAUGHTERS     | 2428 | 12,629                | 3.6                 | 458                   |
| AI STUD, 34-01 LISTED, 08-63   | 1421 | WITH HERD-MATES  | 2355 | 12,655                | 3.6                 | 459                   |
| STATES- 21,31,32,34,42,54,63, 73,86  |      |                  |      |                       | 14                  | 12,986 472 11,891 434 |
|  |      |                  |      |                       | DIFF.               | 331- 13-              |
|  | 69   | NDN-AI DAUGHTERS | 220  | 14,224                | 3.6                 | 508                   |
|  | 67   | WITH HERD-MATES  | 213  | 14,351                | 3.6                 | 513                   |
|  |      |                  |      |                       | 8                   | 14,318 510            |
|  |      |                  |      |                       | DIFF.               | 33 3                  |
| 1128988 .....  |      |                  |      |                       |                     |                       |
|  | 5    | NDN-AI DAUGHTERS | 6    | 7,432                 | 3.8                 | 284                   |
| STATES- 51   | 5    | WITH HERD-MATES  | 6    | 7,432                 | 3.8                 | 284                   |
|  |      |                  |      |                       | 2                   | 10,240 371            |
|  |      |                  |      |                       | DIFF.               | 2808- 87-             |
| 1130628 .....  |      |                  |      |                       |                     |                       |
|  | 2    | AI DAUGHTERS     | 2    | 8,885                 | 3.2                 | 283                   |
| AI STUD, 72-01   | 2    | WITH HERD-MATES  | 2    | 8,885                 | 3.2                 | 283                   |
| STATES- 72   |      |                  |      |                       | 24                  | 10,828 382 11,845 429 |
|  |      |                  |      |                       | DIFF.               | 1943- 99-             |
|  | 3    | NDN-AI DAUGHTERS | 5    | 8,923                 | 3.5                 | 315                   |
|  | 2    | WITH HERD-MATES  | 4    | 8,885                 | 3.6                 | 319                   |
|  |      |                  |      |                       | 16                  | 9,895 351             |
|  |      |                  |      |                       | DIFF.               | 1010- 32-             |
| 1131008 PLUM GROVE TY VIC KING.....  |      |                  |      |                       |                     |                       |
| 11-11-50 808860 2824484  | 152  | AI DAUGHTERS     | 290  | 12,106                | 3.7                 | 445                   |
| AI STUD, 33-01 LISTED, 08-63   | 145  | WITH HERD-MATES  | 278  | 12,128                | 3.7                 | 446                   |
| STATES- 32,33,35,54,55,57  |      |                  |      |                       | 15                  | 12,492 463 11,833 430 |
|  |      |                  |      |                       | DIFF.               | 364- 17-              |
| 1131045 SHAWs D A F TIDY GOLD - TWIN.....  |      |                  |      |                       |                     |                       |
| 02-02-51 1048677 2752715   | 2    | AI DAUGHTERS     | 2    | 12,000                | 3.6                 | 429                   |
| AI STUD, 51-02 LISTED, 08-63   | 2    | WITH HERD-MATES  | 2    | 12,000                | 3.6                 | 429                   |
| STATES- 23,51,52,55,58   |      |                  |      |                       | 11                  | 13,087 491 11,996 436 |
|  |      |                  |      |                       | DIFF.               | 1087- 62-             |
|  | 45   | NDN-AI DAUGHTERS | 137  | 12,915                | 3.7                 | 482                   |
|  | 45   | WITH HERD-MATES  | 137  | 12,915                | 3.7                 | 482                   |
|  |      |                  |      |                       | 15                  | 13,076 487            |
|  |      |                  |      |                       | DIFF.               | 161- 5-               |
| 1131215 PA8ST REGAL DAN.....   |      |                  |      |                       |                     |                       |
| 01-05-51 901195 2104309  | 53   | AI DAUGHTERS     | 69   | 12,722                | 3.6                 | 459                   |
| AI STUD, 61-01 LISTED, 08-63   | 49   | WITH HERD-MATES  | 65   | 12,874                | 3.6                 | 466                   |
| STATES- 14,33,34,51,61   |      |                  |      |                       | 12                  | 13,253 480 11,921 436 |
|  |      |                  |      |                       | DIFF.               | 379- 14-              |
|  | 41   | NDN-AI DAUGHTERS | 126  | 12,748                | 3.7                 | 469                   |
|  | 38   | WITH HERD-MATES  | 121  | 12,728                | 3.7                 | 466                   |
|  |      |                  |      |                       | 9                   | 13,391 489            |
|  |      |                  |      |                       | DIFF.               | 663- 23-              |
| 1131768 .....  |      |                  |      |                       |                     |                       |
|  | 6    | NDN-AI DAUGHTERS | 16   | 12,657                | 3.5                 | 446                   |
| STATES- 13   | 6    | WITH HERD-MATES  | 16   | 12,657                | 3.5                 | 446                   |
|  |      |                  |      |                       | 2                   | 12,503 449            |
|  |      |                  |      |                       | DIFF.               | 154 3-                |
| 1132684 HEERSCHE RDMED BENEFACDOR - TWIN.....  |      |                  |      |                       |                     |                       |
| 07-11-50 1063307 2211866   | 1156 | AI DAUGHTERS     | 1481 | 12,156                | 3.7                 | 450                   |
| AI STUD, 41-01 LISTED, 08-63   | 1050 | WITH HERD-MATES  | 1364 | 12,106                | 3.7                 | 449                   |
| STATES- 35,41,42,45,46,48,73   |      |                  |      |                       | 15                  | 12,635 455 11,666 439 |
|  |      |                  |      |                       | DIFF.               | 529- 6-               |
|  | 64   | NDN-AI DAUGHTERS | 177  | 13,354                | 3.6                 | 486                   |
|  | 52   | WITH HERD-MATES  | 153  | 13,815                | 3.6                 | 501                   |
|  |      |                  |      |                       | 10                  | 13,513 486            |
|  |      |                  |      |                       | DIFF.               | 302 15                |
| 1132993 CURTISS CANDY CAPPER CURTISS.....  |      |                  |      |                       |                     |                       |
| 02-11-51 1056882 2526666   | 1196 | AI DAUGHTERS     | 2583 | 13,005                | 3.7                 | 483                   |
| AI STUD, 33-03 LISTED, 08-63   | 1121 | WITH HERD-MATES  | 2466 | 13,014                | 3.7                 | 484                   |
| STATES- 11,12,13,14,15,16,21, 22,23,31,32,33,34,35,41,42,43, 45,46,47,48,50,51,52,54,55,58, 61,71,74,82,84,87,91,92,93 |      |                  |      |                       | 12                  | 12,640 464 12,551 466 |
|  |      |                  |      |                       | DIFF.               | 374 20                |
| 1133192 LIX ADMIRAL BURKE.....   |      |                  |      |                       |                     |                       |
| 11-26-49 908808 2743274  | 34   | AI DAUGHTERS     | 59   | 12,762                | 3.7                 | 471                   |
| AI STUD, 35-04 LISTED, 08-63   | 34   | WITH HERD-MATES  | 59   | 12,762                | 3.7                 | 471                   |
| STATES- 31,33,35,41  |      |                  |      |                       | 14                  | 13,004 468 12,022 448 |
|  |      |                  |      |                       | DIFF.               | 242- 3                |
|  | 18   | NDN-AI DAUGHTERS | 68   | 13,915                | 3.7                 | 512                   |
|  | 18   | WITH HERD-MATES  | 63   | 13,897                | 3.7                 | 511                   |
|  |      |                  |      |                       | 8                   | 13,569 503            |
|  |      |                  |      |                       | DIFF.               | 328 8                 |
| 1136435 CARNATION MADCAP MASTER.....   |      |                  |      |                       |                     |                       |
| 03-13-50 943802 2613533  | 27   | AI DAUGHTERS     | 28   | 11,816                | 3.6                 | 424                   |
| AI STUD, 34-01 LISTED, 08-63   | 26   | WITH HERD-MATES  | 27   | 12,135                | 3.6                 | 435                   |
| STATES- 31,34  |      |                  |      |                       | 10                  | 12,485 451 11,921 434 |
|  |      |                  |      |                       | DIFF.               | 350- 16-              |
|  | 33   | NDN-AI DAUGHTERS | 45   | 15,095                | 3.5                 | 523                   |
|  | 33   | WITH HERD-MATES  | 45   | 15,095                | 3.5                 | 523                   |
|  |      |                  |      |                       | 4                   | 13,798 504            |
|  |      |                  |      |                       | DIFF.               | 1297 19               |
| 1136564 WEARY RIVER RESOLUTE PAUL.....   |      |                  |      |                       |                     |                       |
| 12-13-50 863778 2350871  | 70   | AI DAUGHTERS     | 95   | 17,714                | 3.5                 | 621                   |
| AI STUD, 93-05 LISTED, 08-63   | 70   | WITH HERD-MATES  | 95   | 17,714                | 3.5                 | 621                   |
| STATES- 91,93  |      |                  |      |                       | 50                  | 16,386 593 13,625 481 |
|  |      |                  |      |                       | DIFF.               | 1328 28               |
|  | 27   | NDN-AI DAUGHTERS | 83   | 16,901                | 3.6                 | 604                   |
|  | 26   | WITH HERD-MATES  | 82   | 17,048                | 3.6                 | 610                   |
|  |      |                  |      |                       | 54                  | 16,650 597            |
|  |      |                  |      |                       | DIFF.               | 398 13                |

## SIRFS OF DHIA DAUGHTERS

| HOLSTEIN  |      |                  | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK<br>LB | TEST<br>% | DAU.<br>FAT<br>LB | ADJ. AV.<br>MILK<br>LB | HERD-MATES<br>FAT<br>LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK<br>LB | FAT<br>LB |
|---|------|------------------|-----------------------|-----------------------------|-----------|-------------------|------------------------|-------------------------|---------------|-----------------------------|-----------|
| 1136905 CARNATION PROGRESSOR WALKER-TWIN.....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 09-12-50 1075872 2248064  | 82   | AI DAUGHTERS     | 82                    | 12,264                      | 3.5       | 427               |                        |                         |               |                             |           |
| AI STUD, 41-01 LISTED, 08-63  | 69   | WITH HERD-MATES  | 69                    | 12,450                      | 3.5       | 432               | 11                     | 12,563                  | 459           | 12,075                      | 422       |
| STATES- 41,42,45,46,91,95   |      |                  |                       |                             |           |                   | DIFF.                  | 113-                    | 27-           |                             |           |
|   | 30   | NDN-AI DAUGHTERS | 78                    | 15,048                      | 3.6       | 548               |                        |                         |               |                             |           |
|   | 30   | WITH HERD-MATES  | 75                    | 15,022                      | 3.6       | 546               | 9                      | 14,077                  | 522           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 945                     | 24            |                             |           |
| 1137421 APPALACHIAN LAUXMONT CDLANTHUS.....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 02-14-51 813911 2430950   | 238  | AI DAUGHTERS     | 401                   | 14,586                      | 3.9       | 563               |                        |                         |               |                             |           |
| AI STUD, 31-01 LISTED, 08-63  | 235  | WITH HERD-MATES  | 396                   | 14,645                      | 3.9       | 565               | 35                     | 14,802                  | 549           | 12,240                      | 469       |
| STATES- 31,52,55  |      |                  |                       |                             |           |                   | DIFF.                  | 157-                    | 16            |                             |           |
| 1137503 WALKWAY TY VIC ROBIN.....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 01-05-51 923749 2121256   | 133  | AI DAUGHTERS     | 183                   | 11,879                      | 3.9       | 469               |                        |                         |               |                             |           |
| AI STUD, 31-02 LISTED, 08-63  | 118  | WITH HERD-MATES  | 166                   | 11,807                      | 4.0       | 470               | 11                     | 12,256                  | 443           | 11,742                      | 468       |
| STATES- 31,33,43,55,56,63   |      |                  |                       |                             |           |                   | DIFF.                  | 449-                    | 27            |                             |           |
|   | 32   | NDN-AI DAUGHTERS | 76                    | 12,657                      | 4.1       | 524               |                        |                         |               |                             |           |
|   | 32   | WITH HERD-MATES  | 71                    | 12,635                      | 4.1       | 521               | 10                     | 13,393                  | 516           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 758-                    | 5             |                             |           |
| 1138298 .....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
|   | 5    | NDN-AI DAUGHTERS | 9                     | 12,141                      | 3.3       | 403               |                        |                         |               |                             |           |
| STATES- 31  | 5    | WITH HERD-MATES  | 9                     | 12,141                      | 3.3       | 403               | 10                     | 12,266                  | 438           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 125-                    | 35-           |                             |           |
| 1138441 CASH-MAR ORMSBY JERRY.....  |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 10-14-50 1104468 2777077  | 67   | AI DAUGHTERS     | 76                    | 13,564                      | 3.4       | 463               |                        |                         |               |                             |           |
| AI STUD, 31-02 LISTED, 08-63  | 66   | WITH HERD-MATES  | 75                    | 13,527                      | 3.4       | 462               | 19                     | 12,752                  | 462           | 12,838                      | 446       |
| STATES- 21,23,31,32,34,55,56,63,64  |      |                  |                       |                             |           |                   | DIFF.                  | 775                     |               |                             |           |
|   | 1    | NDN-AI DAUGHTERS | 2                     | 7,850                       | 3.5       | 271               |                        |                         |               |                             |           |
|   | 1    | WITH HERD-MATES  | 2                     | 7,850                       | 3.5       | 271               | 20                     | 12,187                  | 433           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 4337-                   | 162-          |                             |           |
| 1138527 .....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
|   | 5    | NDN-AI DAUGHTERS | 5                     | 14,484                      | 3.3       | 479               |                        |                         |               |                             |           |
| STATES- 21  | 2    | WITH HERD-MATES  | 2                     | 17,855                      | 3.3       | 582               | 33                     | 14,345                  | 510           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 3510                    | 72            |                             |           |
| 1138563 .....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
|   | 7    | NDN-AI DAUGHTERS | 10                    | 11,621                      | 3.7       | 425               |                        |                         |               |                             |           |
| STATES- 21,34   | 5    | WITH HERD-MATES  | 5                     | 11,910                      | 3.6       | 434               | 5                      | 12,408                  | 442           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 498-                    | 8-            |                             |           |
| 1138797 PENSTATE SPRUCELEIGH INKA STAR.....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 03-15-51 1016853 2472441  | 321  | AI DAUGHTERS     | 706                   | 11,841                      | 3.6       | 429               |                        |                         |               |                             |           |
| AI STUD, 23-05  | 315  | WITH HERD-MATES  | 691                   | 11,914                      | 3.6       | 432               | 13                     | 12,462                  | 466           | 11,641                      | 413       |
| STATES- 23,54   |      |                  |                       |                             |           |                   | DIFF.                  | 548-                    | 34-           |                             |           |
| 1140763 LARRIETTA BURCAR PARST.....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 01-01-51 1049581 2622088  | 1658 | AI DAUGHTERS     | 2758                  | 13,192                      | 3.8       | 496               |                        |                         |               |                             |           |
| AI STUD, 21-01 LISTED, 08-63  | 1540 | WITH HERD-MATES  | 2595                  | 13,228                      | 3.8       | 498               | 19                     | 13,341                  | 482           | 12,143                      | 464       |
| STATES- 11,13,14,15,16,21,22,23,51,52,56  |      |                  |                       |                             |           |                   | DIFF.                  | 113-                    | 16            |                             |           |
|   | 62   | NDN-AI DAUGHTERS | 168                   | 13,812                      | 3.7       | 511               |                        |                         |               |                             |           |
|   | 42   | WITH HERD-MATES  | 132                   | 13,605                      | 3.7       | 505               | 23                     | 13,571                  | 495           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 34                      | 10            |                             |           |
| 1140803 .....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
|   | 9    | NDN-AI DAUGHTERS | 9                     | 12,432                      | 3.5       | 437               |                        |                         |               |                             |           |
| STATES- 54  | 9    | WITH HERD-MATES  | 9                     | 12,432                      | 3.5       | 437               | 8                      | 11,757                  | 419           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 675                     | 18            |                             |           |
| 1141276 HAVIEW LAD DIRECT FERN SIDE.....  |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 01-29-51 1011980 2959074  | 206  | AI DAUGHTERS     | 207                   | 12,001                      | 3.8       | 454               |                        |                         |               |                             |           |
| AI STUD, 52-01 LISTED, 08-63  | 194  | WITH HERD-MATES  | 194                   | 12,084                      | 3.8       | 457               | 21                     | 12,914                  | 474           | 11,428                      | 431       |
| STATES- 11,12,13,14,16,21,22,23,51,52,55  |      |                  |                       |                             |           |                   | DIFF.                  | 830-                    | 17-           |                             |           |
|   | 64   | NDN-AI DAUGHTERS | 157                   | 13,595                      | 3.9       | 526               |                        |                         |               |                             |           |
|   | 64   | WITH HERD-MATES  | 156                   | 13,590                      | 3.9       | 526               | 20                     | 14,258                  | 539           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 668-                    | 13-           |                             |           |
| 1142734 MIDCOW SPRINGS FOLLOWS DN LAIRD.....  |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 03-21-51 742938 2482700   | 576  | AI DAUGHTERS     | 741                   | 13,502                      | 3.7       | 505               |                        |                         |               |                             |           |
| AI STUD, 31-01 LISTED, 08-63  | 543  | WITH HERD-MATES  | 704                   | 13,549                      | 3.7       | 507               | 14                     | 13,628                  | 495           | 12,203                      | 460       |
| STATES- 11,13,14,16,21,22,23,31,32,33,34,41,51,52,54,55,58,61,65,74,83,84,85,91                         |      |                  |                       |                             |           |                   | DIFF.                  | 79-                     | 12            |                             |           |
|   | 45   | NDN-AI DAUGHTERS | 132                   | 13,009                      | 3.8       | 489               |                        |                         |               |                             |           |
|   | 38   | WITH HERD-MATES  | 119                   | 13,275                      | 3.8       | 498               | 14                     | 12,934                  | 473           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 341                     | 25            |                             |           |
| 1143527 PARST WALKER RAM.....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 05-17-51 981360 2901869   | 11   | AI DAUGHTERS     | 12                    | 11,321                      | 3.5       | 395               |                        |                         |               |                             |           |
| AI STUD, 72-01 LISTED, 08-63  | 11   | WITH HERD-MATES  | 12                    | 11,321                      | 3.5       | 395               | 17                     | 11,611                  | 405           | 11,974                      | 437       |
| STATES- 41,47,72,91   |      |                  |                       |                             |           |                   | DIFF.                  | 290-                    | 10-           |                             |           |
|   | 27   | NDN-AI DAUGHTERS | 49                    | 13,949                      | 3.7       | 522               |                        |                         |               |                             |           |
|   | 24   | WITH HERD-MATES  | 38                    | 13,834                      | 3.7       | 508               | 5                      | 13,487                  | 490           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 347                     | 18            |                             |           |
| 1144239 HIS CAPTAIN.....  |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 05-07-51 933122 2628437   | 1648 | AI DAUGHTERS     | 1975                  | 13,238                      | 3.6       | 472               |                        |                         |               |                             |           |
| AI STUD, 35-75 LISTED, 08-63  | 1561 | WITH HERD-MATES  | 1881                  | 13,259                      | 3.6       | 473               | 15                     | 13,273                  | 489           | 12,234                      | 432       |
| STATES- 13,21,22,23,31,32,33,34,35,41,42,43,46,47,48,51,52,55,56,57,61,63,64,71,74,81,82,86,87,91,92,93 |      |                  |                       |                             |           |                   | DIFF.                  | 14-                     | 16-           |                             |           |
|   | 28   | NDN-AI DAUGHTERS | 62                    | 13,675                      | 3.5       | 478               |                        |                         |               |                             |           |
|   | 25   | WITH HERD-MATES  | 57                    | 13,824                      | 3.5       | 485               | 11                     | 13,965                  | 500           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 141-                    | 15-           |                             |           |
| 1145788 CRESCENT BEAUTY LIEUTENANT.....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
| 02-16-51 1074603 2275262  | 151  | AI DAUGHTERS     | 235                   | 12,987                      | 3.8       | 494               |                        |                         |               |                             |           |
| AI STUD, 32-02 LISTED, 08-63  | 137  | WITH HERD-MATES  | 214                   | 13,101                      | 3.8       | 497               | 11                     | 13,372                  | 497           | 12,001                      | 449       |
| STATES- 21,31,32,33,34,35,42,51,56,57,61,74   |      |                  |                       |                             |           |                   | DIFF.                  | 271-                    |               |                             |           |
| 1145975 .....   |      |                  |                       |                             |           |                   |                        |                         |               |                             |           |
|   | 5    | NDN-AI DAUGHTERS | 9                     | 12,287                      | 3.7       | 451               |                        |                         |               |                             |           |
| STATES- 22,23   | 3    | WITH HERD-MATES  | 7                     | 11,756                      | 3.8       | 447               | 9                      | 12,016                  | 437           |                             |           |
|   |      |                  |                       |                             |           |                   | DIFF.                  | 260-                    | 10            |                             |           |

## SIRFS OF DHIA DAUGHTERS

| HOLSTEIN                      |                                     |      |                  |      | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|-------------------------------|-------------------------------------|------|------------------|------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1146113                       | CARDCA REGAL RAG APPLE.....         |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 12-28-50                      | 901195 2398143                      | 535  | AI DAUGHTERS     | 1128 | 12,598      | 3.9                   | 487    |             |                 |                    |            |                   |            |
| AI STUD, 33-01                | LISTED, 08-63                       | 518  | WITH HERD-MATES  | 1098 | 12,630      | 3.9                   | 488    |             | 17              | 12,556             | 470        | 12,248            | 464        |
| STATES- 21,32,33,35,42,48,54, |                                     |      |                  |      |             |                       |        |             | DIFF.           | 74                 | 18         |                   |            |
| 57,61,63                      |                                     | 1    | NON-AI DAUGHTERS | 2    | 8,370       | 3.6                   | 298    |             | 6               | 9,809              | 353        |                   |            |
|                               |                                     | 1    | WITH HERD-MATES  | 1    | 7,460       | 3.5                   | 262    |             | DIFF.           | 2349-              | 91-        |                   |            |
| 1148087                       | HOLLING KNOLL GOLDEN STROKE.....    |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 01-16-51                      | 976710 2630072                      | 222  | AI DAUGHTERS     | 316  | 14,374      | 3.6                   | 520    |             |                 |                    |            |                   |            |
| AI STUD, 31-01                | LISTED, 08-63                       | 218  | WITH HERD-MATES  | 310  | 14,405      | 3.6                   | 521    |             | 13              | 13,419             | 489        | 13,182            | 478        |
| STATES- 12,14,15,16,21,31,32, |                                     |      |                  |      |             |                       |        |             | DIFF.           | 986                | 32         |                   |            |
| 51,52,56,58,61,74,84          |                                     | 13   | NON-AI DAUGHTERS | 37   | 14,721      | 3.7                   | 541    |             | 9               | 14,162             | 519        |                   |            |
|                               |                                     | 13   | WITH HERD-MATES  | 35   | 14,596      | 3.7                   | 538    |             | DIFF.           | 434                | 19         |                   |            |
| 1148810                       | DEAN RAG APPLE SOVEREIGN.....       |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 09-17-50                      | 761977 2871642                      | 632  | AI DAUGHTERS     | 920  | 12,920      | 3.8                   | 488    |             |                 |                    |            |                   |            |
| AI STUD, 21-01                | LISTED, 08-63                       | 591  | WITH HERD-MATES  | 872  | 12,894      | 3.8                   | 488    |             | 19              | 13,296             | 482        | 11,855            | 454        |
| STATES- 11,13,14,16,21,22,23, |                                     |      |                  |      |             |                       |        |             | DIFF.           | 402-               | 6          |                   |            |
| 52,56                         |                                     | 43   | NON-AI DAUGHTERS | 135  | 12,267      | 3.9                   | 482    |             | 8               | 12,688             | 469        |                   |            |
|                               |                                     | 36   | WITH HERD-MATES  | 116  | 12,339      | 3.9                   | 480    |             | DIFF.           | 349-               | 11         |                   |            |
| 1149387                       | .....                               |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 21                    |                                     | 5    | NON-AI DAUGHTERS | 7    | 13,531      | 3.6                   | 493    |             |                 |                    |            |                   |            |
|                               |                                     | 4    | WITH HERD-MATES  | 4    | 14,278      | 3.7                   | 531    |             | 15              | 12,167             | 462        |                   |            |
|                               |                                     |      |                  |      |             |                       |        |             | DIFF.           | 2111               | 69         |                   |            |
| 1149583                       | .....                               |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 11                    |                                     | 6    | NON-AI DAUGHTERS | 12   | 14,458      | 3.8                   | 544    |             |                 |                    |            |                   |            |
|                               |                                     | 6    | WITH HERD-MATES  | 12   | 14,458      | 3.8                   | 544    |             | 19              | 12,960             | 487        |                   |            |
|                               |                                     |      |                  |      |             |                       |        |             | DIFF.           | 1498               | 57         |                   |            |
| 1149590                       | .....                               |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 22                    |                                     | 5    | NON-AI DAUGHTERS | 9    | 13,193      | 3.6                   | 469    |             |                 |                    |            |                   |            |
|                               |                                     | 4    | WITH HERD-MATES  | 6    | 13,380      | 3.7                   | 490    |             | 1               | 12,813             | 460        |                   |            |
|                               |                                     |      |                  |      |             |                       |        |             | DIFF.           | 567                | 30         |                   |            |
| 1150054                       | .....                               |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23                    |                                     | 9    | NON-AI DAUGHTERS | 10   | 13,079      | 3.2                   | 423    |             |                 |                    |            |                   |            |
|                               |                                     | 9    | WITH HERD-MATES  | 10   | 13,079      | 3.2                   | 423    |             | 9               | 12,407             | 442        |                   |            |
|                               |                                     |      |                  |      |             |                       |        |             | DIFF.           | 672                | 19-        |                   |            |
| 1150277                       | MEADOW SPRINGS MONTVIC ORMSBY.....  |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 08-03-51                      | 742938 2268148                      | 22   | AI DAUGHTERS     | 22   | 12,740      | 3.8                   | 484    |             |                 |                    |            |                   |            |
| AI STUD, 34-01                | LISTED, 08-63                       | 21   | WITH HERD-MATES  | 21   | 12,825      | 3.7                   | 480    |             | 13              | 12,393             | 441        | 12,424            | 469        |
| STATES- 32,34                 |                                     |      |                  |      |             |                       |        |             | DIFF.           | 432                | 39         |                   |            |
|                               |                                     | 42   | NON-AI DAUGHTERS | 89   | 14,335      | 3.8                   | 550    |             | 6               | 14,676             | 524        |                   |            |
|                               |                                     | 40   | WITH HERD-MATES  | 85   | 14,426      | 3.8                   | 554    |             | DIFF.           | 250-               | 30         |                   |            |
| 1150469                       | IDDY PRIDE IDEAL BURKE.....         |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 04-23-51                      | 1013415 2529881                     | 392  | AI DAUGHTERS     | 501  | 14,138      | 3.6                   | 513    |             |                 |                    |            |                   |            |
| AI STUD, 35-75                | LISTED, 08-63                       | 372  | WITH HERD-MATES  | 478  | 14,211      | 3.6                   | 515    |             | 19              | 14,309             | 516        | 12,249            | 450        |
| STATES- 21,33,34,35,41,55,57, |                                     |      |                  |      |             |                       |        |             | DIFF.           | 98-                | 1-         |                   |            |
| 82,84,86,87,91,92,93          |                                     | 11   | NON-AI DAUGHTERS | 16   | 12,672      | 3.6                   | 462    |             | 11              | 13,583             | 481        |                   |            |
|                               |                                     | 11   | WITH HERD-MATES  | 16   | 12,672      | 3.6                   | 462    |             | DIFF.           | 911-               | 19-        |                   |            |
| 1151931                       | PIONEER SOVEREIGN PILDT.....        |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 08-23-51                      | 1020200 2396615                     | 30   | NON-AI DAUGHTERS | 38   | 11,087      | 4.0                   | 439    |             |                 |                    |            |                   |            |
| AI STUD, 51-02                | LISTED, 08-63                       | 26   | WITH HERD-MATES  | 32   | 11,362      | 3.9                   | 447    |             | 14              | 12,148             | 447        |                   |            |
| STATES- 22,23,51,52           |                                     |      |                  |      |             |                       |        |             | DIFF.           | 786-               |            |                   |            |
| 1152232                       | CARNATION ATOM 8DMM.....            |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 02-28-51                      | 943802 2814603                      | 451  | AI DAUGHTERS     | 635  | 12,458      | 3.8                   | 479    |             |                 |                    |            |                   |            |
| AI STUD, 23-05                | LISTED, 08-63                       | 434  | WITH HERD-MATES  | 608  | 12,490      | 3.8                   | 480    |             | 14              | 12,859             | 485        | 11,847            | 443        |
| STATES- 23,31,32,34,51,54     |                                     |      |                  |      |             |                       |        |             | DIFF.           | 369-               | 5-         |                   |            |
|                               |                                     | 18   | NON-AI DAUGHTERS | 29   | 10,231      | 3.8                   | 384    |             | 9               | 12,699             | 472        |                   |            |
|                               |                                     | 18   | WITH HERD-MATES  | 29   | 10,231      | 3.8                   | 384    |             | DIFF.           | 2468-              | 88-        |                   |            |
| 1152248                       | CARNATION REALIZATION.....          |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 05-06-51                      | 1054493 2231969                     | 74   | AI DAUGHTERS     | 97   | 12,048      | 3.5                   | 422    |             |                 |                    |            |                   |            |
| AI STUD, 35-04                | LISTED, 08-63                       | 73   | WITH HERD-MATES  | 95   | 12,119      | 3.5                   | 424    |             | 14              | 12,746             | 462        | 11,654            | 413        |
| STATES- 14,16,23,32,33,34,35, |                                     |      |                  |      |             |                       |        |             | DIFF.           | 627-               | 38-        |                   |            |
| 41,42,48,51,52,56,57,84,86    |                                     | 12   | NON-AI DAUGHTERS | 18   | 13,303      | 3.5                   | 465    |             | 6               | 14,141             | 514        |                   |            |
|                               |                                     | 9    | WITH HERD-MATES  | 14   | 13,549      | 3.6                   | 483    |             | DIFF.           | 592-               | 31-        |                   |            |
| 1152351                       | ZURBRIDGE ADMIRAL BURKE - TWIN..... |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 07-26-51                      | 923749 2412824                      | 1192 | AI DAUGHTERS     | 2691 | 12,437      | 3.8                   | 476    |             |                 |                    |            |                   |            |
| AI STUD, 33-01                | LISTED, 08-63                       | 1108 | WITH HERD-MATES  | 2528 | 12,430      | 3.8                   | 476    |             | 13              | 12,537             | 469        | 12,069            | 453        |
| STATES- 31,32,33,34,35,42,43, |                                     |      |                  |      |             |                       |        |             | DIFF.           | 107-               | 7          |                   |            |
| 52,54,55,56,57,58,61,63,73,74 |                                     | 1    | NON-AI DAUGHTERS | 1    | 11,920      | 3.6                   | 429    |             | 4               | 11,501             | 419        |                   |            |
|                               |                                     | 1    | WITH HERD-MATES  | 1    | 11,920      | 3.6                   | 429    |             | DIFF.           | 419                | 10         |                   |            |
| 1153814                       | BROAD ROCK GOVERNOR TOM.....        |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 09-15-51                      | 1035230 3090707                     | 194  | AI DAUGHTERS     | 236  | 12,912      | 3.7                   | 478    |             |                 |                    |            |                   |            |
| AI STUD, 12-03                | LISTED, 08-63                       | 192  | WITH HERD-MATES  | 232  | 12,905      | 3.7                   | 478    |             | 16              | 12,772             | 488        | 12,320            | 438        |
| STATES- 11,12,13,14,15        |                                     |      |                  |      |             |                       |        |             | DIFF.           | 133                | 10-        |                   |            |
|                               |                                     | 30   | NON-AI DAUGHTERS | 106  | 13,267      | 3.7                   | 485    |             | 8               | 12,561             | 462        |                   |            |
|                               |                                     | 30   | WITH HERD-MATES  | 105  | 13,257      | 3.7                   | 484    |             | DIFF.           | 696                | 22         |                   |            |
| 1154817                       | PDFSTENKILL BURKE GERBEN.....       |      |                  |      |             |                       |        |             |                 |                    |            |                   |            |
| 06-04-50                      | 1084039 2821015                     | 295  | AI DAUGHTERS     | 612  | 13,264      | 3.8                   | 500    |             |                 |                    |            |                   |            |
| AI STUD, 22-03                | LISTED, 08-63                       | 262  | WITH HERD-MATES  | 536  | 13,371      | 3.8                   | 505    |             | 27              | 13,294             | 495        | 12,318            | 458        |
| STATES- 11,12,14,15,16,21,22, |                                     |      |                  |      |             |                       |        |             | DIFF.           | 77                 | 10         |                   |            |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN  |         |        | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|---|---------|--------|------------------------|---------------------|---------------|
|   | RECDROS | MILK   | TEST                   | MILK                | MILK          |
|   | NUMBER  | L8     | %                      | L8                  | L8            |
| 1154946 NORTHMDOR ALERT MICHAEL.....  |         |        |                        |                     |               |
| D8-01-51 1035461 2915512 621 AI DAUGHTERS   | 675     | 13,571 | 3.6                    | 489                 |               |
| AI STUD, 35-75 LISTED, 08-63 580 WITH HERD-MATES  | 630     | 13,606 | 3.6                    | 490                 |               |
| STATES- 12,13,14,16,21,22,23, 31,32,33,34,35,41,42,48,51,52, 55,56,57,58,64,82,87,91,92 | 96      | 16,455 | 3.7                    | 603                 |               |
| 52 NDN-AI DAUGHTERS   | 86      | 16,307 | 3.7                    | 597                 |               |
| 43 WITH HERD-MATES  |         |        |                        |                     |               |
|   |         |        |                        | 23 13,220 486       | 12,614 452    |
|   |         |        |                        | DIFF. 386 4         |               |
|   |         |        |                        | 22 15,022 557       |               |
|   |         |        |                        | DIFF. 1285 40       |               |
| 1156447 BRDDK LODGE R A WONDER ADVANCE.....   |         |        |                        |                     |               |
| D2-26-51 928949 2434544 548 AI DAUGHTERS  | 1082    | 13,212 | 3.8                    | 503                 |               |
| AI STUD, 23-02 LISTED, 08-63 545 WITH HERD-MATES  | 1071    | 13,212 | 3.8                    | 504                 |               |
| STATES- 21,23,50,57   |         |        |                        |                     |               |
| 9 NDN-AI DAUGHTERS  | 22      | 10,781 | 3.8                    | 407                 |               |
| 9 WITH HERD-MATES   | 22      | 10,781 | 3.8                    | 407                 |               |
|   |         |        |                        | 11 12,932 477       | 12,484 473    |
|   |         |        |                        | DIFF. 280 27        |               |
|   |         |        |                        | 8 12,041 445        |               |
|   |         |        |                        | DIFF. 1260- 38-     |               |
| 1156593 PDLYTECHNIC GOVERNOR GETTIE.....  |         |        |                        |                     |               |
| 08-25-51 878257 2281154 93 AI DAUGHTERS   | 146     | 14,641 | 3.7                    | 541                 |               |
| AI STUD, 93-01 LISTED, 08-63 91 WITH HERD-MATES   | 143     | 14,713 | 3.7                    | 542                 |               |
| STATES- 93  |         |        |                        |                     |               |
|   |         |        |                        | 63 15,708 547       | 11,574 448    |
|   |         |        |                        | DIFF. 995- 5-       |               |
| 1156779 ZIMMERMAN BELL BOY.....   |         |        |                        |                     |               |
| 07-26-50 1080014 2708858 1 AI DAUGHTERS   | 1       | 6,180  | 3.9                    | 244                 |               |
| AI STUD, 34-01 LISTED, 08-63 1 WITH HERD-MATES  | 1       | 6,180  | 3.9                    | 244                 |               |
| STATES- 23,31,34,42,65  |         |        |                        |                     |               |
| 18 NDN-AI DAUGHTERS   | 24      | 14,490 | 3.7                    | 543                 |               |
| 17 WITH HERD-MATES  | 23      | 14,590 | 3.8                    | 548                 |               |
|   |         |        |                        | 14 13,402 528       | 11,638 425    |
|   |         |        |                        | DIFF. 7222- 284-    |               |
|   |         |        |                        | 14 12,594 462       |               |
|   |         |        |                        | DIFF. 1996 86       |               |
| 1157446 WIS IDEAL CHIEF-TWIN.....   |         |        |                        |                     |               |
| 10-18-51 933122 2683287 51 NDN-AI DAUGHTERS   | 147     | 14,977 | 3.5                    | 519                 |               |
| AI STUD, 63-01 LISTED, 08-63 51 WITH HERD-MATES   | 144     | 14,963 | 3.5                    | 519                 |               |
| STATES- 35,61,65  |         |        |                        |                     |               |
|   |         |        |                        | 12 15,304 539       |               |
|   |         |        |                        | DIFF. 341- 20-      |               |
| 1157778 ABBEKERK ELMCRDFT RAG APPLE.....  |         |        |                        |                     |               |
| D1-23-51 D10186376 D10624772 33 AI DAUGHTERS  | 34      | 13,687 | 3.8                    | 521                 |               |
| AI STUD, 41-25 LISTED, 08-63 32 WITH HERD-MATES   | 33      | 13,658 | 3.8                    | 520                 |               |
| STATES- 21,43,47  |         |        |                        |                     |               |
| 47 NDN-AI DAUGHTERS   | 102     | 13,576 | 3.9                    | 523                 |               |
| 28 WITH HERD-MATES  | 69      | 13,433 | 3.8                    | 516                 |               |
|   |         |        |                        | 15 13,500 497       | 12,347 464    |
|   |         |        |                        | DIFF. 158 23        |               |
|   |         |        |                        | 6 13,867 529        |               |
|   |         |        |                        | DIFF. 434- 13-      |               |
| 1157809 MIDLAND NEPTUNE SPARKIE.....  |         |        |                        |                     |               |
| 10-07-51 848001 2401328 36 AI DAUGHTERS   | 80      | 14,454 | 3.3                    | 480                 |               |
| AI STUD, 93-01 LISTED, 08-63 35 WITH HERD-MATES   | 75      | 14,626 | 3.3                    | 486                 |               |
| STATES- 34,91,93  |         |        |                        |                     |               |
|   |         |        |                        | 53 15,272 536       | 11,889 414    |
|   |         |        |                        | DIFF. 646- 50-      |               |
| 1158051 .....   |         |        |                        |                     |               |
| STATES- 21,23   |         |        |                        |                     |               |
| 5 NDN-AI DAUGHTERS  | 9       | 12,225 | 3.7                    | 453                 |               |
| 3 WITH HERD-MATES   | 6       | 13,105 | 3.5                    | 464                 |               |
|   |         |        |                        | 24 13,240 472       |               |
|   |         |        |                        | DIFF. 135- 8-       |               |
| 1158310 RUSTIC CLYDE HILL FAVORITE.....   |         |        |                        |                     |               |
| D5-12-51 1048340 2936220 28 AI DAUGHTERS  | 38      | 12,737 | 3.6                    | 462                 |               |
| AI STUD, 41-25 LISTED, 08-63 28 WITH HERD-MATES   | 38      | 12,737 | 3.6                    | 462                 |               |
| STATES- 32,34,43,55   |         |        |                        |                     |               |
| 20 NDN-AI DAUGHTERS   | 67      | 15,083 | 3.7                    | 555                 |               |
| 20 WITH HERD-MATES  | 65      | 15,370 | 3.7                    | 564                 |               |
|   |         |        |                        | 10 12,777 467       | 12,152 442    |
|   |         |        |                        | DIFF. 40- 5-        |               |
|   |         |        |                        | 7 15,079 562        |               |
|   |         |        |                        | DIFF. 291 2         |               |
| 1158641 .....   |         |        |                        |                     |               |
| STATES- 35  |         |        |                        |                     |               |
| 5 NDN-AI DAUGHTERS  | 11      | 12,277 | 3.5                    | 428                 |               |
| 5 WITH HERD-MATES   | 9       | 12,484 | 3.5                    | 436                 |               |
|   |         |        |                        | 6 11,862 426        |               |
|   |         |        |                        | DIFF. 622 10        |               |
| 1159161 PABST WALKER REORIGHT.....  |         |        |                        |                     |               |
| D9-26-51 981360 2782411 1240 AI DAUGHTERS   | 1941    | 12,925 | 3.7                    | 474                 |               |
| AI STUD, 23-02 LISTED, 08-63 1219 WITH HERD-MATES                                       | 1893    | 12,947 | 3.7                    | 475                 |               |
| STATES- 12,21,23,50,51,52,74  |         |        |                        |                     |               |
| 20 NDN-AI DAUGHTERS   | 52      | 12,359 | 3.8                    | 469                 |               |
| 18 WITH HERD-MATES  | 49      | 12,171 | 3.8                    | 462                 |               |
|   |         |        |                        | 11 13,174 485       | 12,013 438    |
|   |         |        |                        | DIFF. 227- 10-      |               |
|   |         |        |                        | 13 12,522 456       |               |
|   |         |        |                        | DIFF. 351- 6        |               |
| 1160414 CLYDE HILL FAVORITE LAD.....  |         |        |                        |                     |               |
| D9-30-51 813522 2450073 144 AI DAUGHTERS  | 312     | 13,015 | 3.8                    | 501                 |               |
| AI STUD, 32-02 LISTED, 08-63 139 WITH HERD-MATES  | 299     | 12,981 | 3.9                    | 500                 |               |
| STATES- 21,23,32,33,34,43,48, 55,56,57,65   |         |        |                        |                     |               |
|   |         |        |                        | 11 13,091 488       | 12,122 459    |
|   |         |        |                        | DIFF. 110- 12       |               |
| 1162673 .....   |         |        |                        |                     |               |
| STATES- 31  |         |        |                        |                     |               |
| 6 NON-AI DAUGHTERS  | 6       | 15,867 | 3.5                    | 563                 |               |
| 6 WITH HERD-MATES   | 6       | 15,867 | 3.5                    | 563                 |               |
|   |         |        |                        | 5 14,981 526        |               |
|   |         |        |                        | DIFF. 886 37        |               |
| 1162825 .....   |         |        |                        |                     |               |
| STATES- 23,51   |         |        |                        |                     |               |
| 5 NON-AI DAUGHTERS  | 10      | 12,811 | 3.6                    | 458                 |               |
| 5 WITH HERD-MATES   | 10      | 12,811 | 3.6                    | 458                 |               |
|   |         |        |                        | 22 12,152 450       |               |
|   |         |        |                        | DIFF. 659 8         |               |
| 1163043 KENEVELYN SILVER ROCKET.....  |         |        |                        |                     |               |
| D4-01-51 D10212120 D10760112 533 AI DAUGHTERS   | 708     | 13,778 | 4.1                    | 559                 |               |
| AI STUD, 23-04 LISTED, 08-63 533 WITH HERD-MATES  | 706     | 13,777 | 4.1                    | 559                 |               |
| STATES- 21,23   |         |        |                        |                     |               |
| 33 NDN-AI DAUGHTERS   | 133     | 12,563 | 4.1                    | 514                 |               |
| 31 WITH HERD-MATES  | 119     | 12,479 | 4.1                    | 510                 |               |
|   |         |        |                        | 16 13,773 519       | 12,298 490    |
|   |         |        |                        | DIFF. 4 40          |               |
|   |         |        |                        | 7 12,450 474        |               |
|   |         |        |                        | DIFF. 29 36         |               |
| 1163330 FASHION DEAN RAG APPLE.....   |         |        |                        |                     |               |
| D9-12-51 1111013 2362354 395 AI DAUGHTERS   | 552     | 12,702 | 3.6                    | 457                 |               |
| AI STUD, 41-01 LISTED, 08-63 366 WITH HERD-MATES  | 514     | 12,707 | 3.6                    | 458                 |               |
| STATES- 41,42,45,46,47,48,63, 73  |         |        |                        |                     |               |
| 50 NDN-AI DAUGHTERS   | 132     | 12,399 | 3.8                    | 470                 |               |
| 42 WITH HERD-MATES  | 103     | 12,819 | 3.8                    | 482                 |               |
|   |         |        |                        | 16 12,682 458       | 12,212 445    |
|   |         |        |                        | DIFF. 25            |               |
|   |         |        |                        | 10 13,077 481       |               |
|   |         |        |                        | DIFF. 258- 1        |               |

| SIRE'S OF DAIRY DAUGHTERS |  |               |     | AV. RECDRDS      | PRODUCTION       | OF MILK | FAT    | AV. ADJ. HERD-MATES | AV. MILK | AV. FAT | PREDICTED | AV. MILK | AV. FAT |  |
|---------------------------|--|---------------|-----|------------------|------------------|---------|--------|---------------------|----------|---------|-----------|----------|---------|--|
| HDLSTEIN                  |  |               |     | NUMBER           | LBS              | %       | LBS    | NUMBER              | LBS      | LBS     | LBS       | LBS      | LBS     |  |
| 1164172                   | .....  |               |     | 5                | NON-AI DAUGHTERS | 5       | 11,250 | 3.8                 | 433      |         |           |          |         |  |
| STATES-                   | 31,34  |               | 5   | WITH HERD-MATES  | 5                | 11,250  | 3.8    | 433                 | 6        | 12,760  | 457       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 1510-   | 24-       |          |         |  |
| 1164957                   | PENSTATE INKA EMPERDR.....                               |               |     |                  |                  |         |        |                     |          |         |           |          |         |  |
| 10-04-51                  | 857269   | 2879640       | 189 | AI DAUGHTERS     | 523              | 11,692  | 4.0    | 468                 |          |         |           |          |         |  |
| AI STUD,                  | 23-02  |               | 187 | WITH HERD-MATES  | 512              | 11,714  | 4.0    | 470                 | 10       | 12,516  | 459       | 11,424   | 455     |  |
| STATES-                   | 23,51  |               |     |                  |                  |         |        |                     | DIFF.    | 802-    | 11        |          |         |  |
| 1165118                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 5       | 8,958  | 3.5                 | 317      |         |           |          |         |  |
| STATES-                   | 73   |               | 4   | WITH HERD-MATES  | 4                | 9,728   | 3.5    | 344                 | 16       | 10,004  | 351       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 276-    | 7-        |          |         |  |
| 1167511                   | GRAY VIEW BURKE NARRATDR.....                            |               |     |                  |                  |         |        |                     |          |         |           |          |         |  |
| 12-15-51                  | 895911   | 2304541       | 9   | AI DAUGHTERS     | 9                | 11,911  | 4.0    | 481                 |          |         |           |          |         |  |
| AI STUD,                  | 35-05  | LISTED, 08-63 | 9   | WITH HERD-MATES  | 9                | 11,911  | 4.0    | 481                 | 13       | 13,793  | 508       | 11,414   | 435     |  |
| STATES-                   | 33,35,41,42,45,46,47                                     |               |     |                  |                  |         |        |                     | DIFF.    | 1882-   | 27-       |          |         |  |
|                           |  |               | 37  | NDN-AI DAUGHTERS | 89               | 13,347  | 3.8    | 512                 |          |         |           |          |         |  |
|                           |  |               | 36  | WITH HERD-MATES  | 86               | 13,384  | 3.8    | 512                 | 13       | 13,383  | 490       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 1       | 22        |          |         |  |
| 1167632                   | WINTERTHUR ZEUS PILDT GENERAL.....                       |               |     |                  |                  |         |        |                     |          |         |           |          |         |  |
| 11-02-51                  | 931354   | 2316641       | 221 | AI DAUGHTERS     | 468              | 13,428  | 3.7    | 495                 |          |         |           |          |         |  |
| AI STUD,                  | 22-03  | LISTED, 08-63 | 217 | WITH HERD-MATES  | 457              | 13,434  | 3.7    | 496                 | 24       | 12,347  | 458       | 13,177   | 481     |  |
| STATES-                   | 14,15,16,21,22,23,51                                     |               |     |                  |                  |         |        |                     | DIFF.    | 1087    | 38        |          |         |  |
|                           |  |               | 29  | NDN-AI DAUGHTERS | 85               | 12,613  | 3.8    | 479                 |          |         |           |          |         |  |
|                           |  |               | 24  | WITH HERD-MATES  | 73               | 13,214  | 3.8    | 502                 | 13       | 12,675  | 472       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 539     | 30        |          |         |  |
| 1168137                   | .....  |               |     | 7                | NON-AI DAUGHTERS | 7       | 12,223 | 3.3                 | 403      |         |           |          |         |  |
| STATES-                   | 82   |               | 7   | WITH HERD-MATES  | 7                | 12,223  | 3.3    | 403                 | 3        | 12,334  | 422       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 111-    | 19-       |          |         |  |
| 1168318                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 8       | 12,953 | 3.4                 | 443      |         |           |          |         |  |
| STATES-                   | 31,84  |               | 4   | WITH HERD-MATES  | 7                | 13,246  | 3.4    | 456                 | 20       | 13,076  | 462       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 170     | 6-        |          |         |  |
| 1168480                   | HAWTHORN KING WAYNE REGAL.....                           |               |     |                  |                  |         |        |                     |          |         |           |          |         |  |
| 12-21-51                  | 1049406  | 2802686       | 18  | NDN-AI DAUGHTERS | 49               | 13,209  | 3.6    | 480                 |          |         |           |          |         |  |
| AI STUD,                  | 51-02  | LISTED, 08-63 | 18  | WITH HERD-MATES  | 49               | 13,209  | 3.6    | 480                 | 17       | 13,078  | 484       |          |         |  |
| STATES-                   | 51,52  |               |     |                  |                  |         |        |                     | DIFF.    | 131     | 4-        |          |         |  |
| 1169982                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 6       | 12,646 | 3.7                 | 462      |         |           |          |         |  |
| STATES-                   | 21,23  |               | 5   | WITH HERD-MATES  | 6                | 12,646  | 3.7    | 462                 | 10       | 12,562  | 453       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 84      | 9         |          |         |  |
| 1170366                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 6       | 12,321 | 3.6                 | 445      |         |           |          |         |  |
| STATES-                   | 35,57,61   |               | 5   | WITH HERD-MATES  | 6                | 12,321  | 3.6    | 445                 | 14       | 12,688  | 457       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 367-    | 12-       |          |         |  |
| 1170422                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 8       | 10,721 | 3.7                 | 400      |         |           |          |         |  |
| STATES-                   | 34,74  |               | 5   | WITH HERD-MATES  | 8                | 10,721  | 3.7    | 400                 | 18       | 13,431  | 482       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 2710-   | 82-       |          |         |  |
| 1170426                   | BRIGEEN GOLDEN FOREMOST.....                             |               |     |                  |                  |         |        |                     |          |         |           |          |         |  |
| 01-02-52                  | 892522   | 2604970       | 640 | AI DAUGHTERS     | 673              | 12,942  | 3.9    | 505                 |          |         |           |          |         |  |
| AI STUD,                  | 35-02  | LISTED, 08-63 | 629 | WITH HERD-MATES  | 662              | 12,951  | 3.9    | 506                 | 14       | 13,288  | 486       | 11,917   | 468     |  |
| STATES-                   | 11,12,13,14,15,16,21,22,23,31,32,33,34,35,41,42,52,61,72 |               |     |                  |                  |         |        |                     | DIFF.    | 337-    | 20        |          |         |  |
|                           |  |               | 128 | NON-AI DAUGHTERS | 288              | 13,100  | 4.1    | 535                 |          |         |           |          |         |  |
|                           |  |               | 124 | WITH HERD-MATES  | 282              | 13,134  | 4.1    | 536                 | 17       | 13,969  | 537       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 835-    | 1-        |          |         |  |
| 1170465                   | CARDOA CANARY TY VIC ENDS.....                           |               |     |                  |                  |         |        |                     |          |         |           |          |         |  |
| 09-28-51                  | 923749   | 2865900       | 173 | AI DAUGHTERS     | 364              | 12,482  | 3.8    | 480                 |          |         |           |          |         |  |
| AI STUD,                  | 33-02  | LISTED, 08-63 | 164 | WITH HERD-MATES  | 345              | 12,552  | 3.8    | 483                 | 12       | 11,896  | 440       | 12,723   | 484     |  |
| STATES-                   | 33,61,63   |               |     |                  |                  |         |        |                     | DIFF.    | 656     | 43        |          |         |  |
| 1170508                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 11      | 15,006 | 3.7                 | 549      |         |           |          |         |  |
| STATES-                   | 14   |               | 5   | WITH HERD-MATES  | 11               | 15,006  | 3.7    | 549                 | 12       | 15,622  | 543       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 616-    | 6         |          |         |  |
| 1170564                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 5       | 10,424 | 3.8                 | 401      |         |           |          |         |  |
| STATES-                   | 52   |               | 4   | WITH HERD-MATES  | 4                | 11,090  | 3.8    | 424                 | 11       | 11,991  | 455       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 901-    | 31-       |          |         |  |
| 1171152                   | .....  |               |     | 6                | NDN-AI DAUGHTERS | 10      | 12,480 | 3.7                 | 462      |         |           |          |         |  |
| STATES-                   | 41,42,46   |               | 6   | WITH HERD-MATES  | 10               | 12,480  | 3.7    | 462                 | 9        | 11,406  | 412       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 1074    | 50        |          |         |  |
| 1171659                   | .....  |               |     | 5                | NDN-AI DAUGHTERS | 7       | 13,501 | 3.6                 | 490      |         |           |          |         |  |
| STATES-                   | 34,35  |               | 4   | WITH HERD-MATES  | 6                | 13,279  | 3.7    | 488                 | 4        | 13,246  | 497       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 33      | 9-        |          |         |  |
| 1171797                   | RUSSINWOOD ROBURKE KAPTAIN.....                          |               |     |                  |                  |         |        |                     |          |         |           |          |         |  |
| 12-16-51                  | 1024453  | 2751944       | 32  | NDN-AI DAUGHTERS | 62               | 13,439  | 3.5    | 470                 |          |         |           |          |         |  |
| AI STUD,                  | 35-75  | LISTED, 08-63 | 31  | WITH HERD-MATES  | 61               | 13,451  | 3.5    | 470                 | 21       | 14,182  | 513       |          |         |  |
| STATES-                   | 32,33,57,64  |               |     |                  |                  |         |        |                     | DIFF.    | 731-    | 43-       |          |         |  |
| 1172369                   | .....  |               |     | 7                | NDN-AI DAUGHTERS | 11      | 11,705 | 3.8                 | 449      |         |           |          |         |  |
| STATES-                   | 23,52  |               | 7   | WITH HERD-MATES  | 11               | 11,705  | 3.8    | 449                 | 41       | 10,428  | 380       |          |         |  |
|                           |  |               |     |                  |                  |         |        |                     | DIFF.    | 1277    | 69        |          |         |  |

## SIRFS OF DHIA DAUGHTERS

| HOLSTEIN   |                                   |     |                  |     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|-----------------------------------|-----|------------------|-----|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1172396  | GRAY VIEW PIDDN PETO-TWIN.....    |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 09-13-51   | 1094305 2838656                   | 22  | AI DAUGHTERS     | 22  | 12,000      | 3.5                   | 422    |             |                 |                    |            |                   |            |
| AI STUD, 87-01   | LISTED, 08-63                     | 20  | WITH HERD-MATES  | 20  | 12,497      | 3.5                   | 438    |             | 13              | 13,259             | 472        | 11,732            | 425        |
| STATES- 35,47,82,83,87   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 762-               | 34-        |                   |            |
|  |                                   | 22  | NDN-AI DAUGHTERS | 41  | 13,260      | 3.6                   | 480    |             | 10              | 13,486             | 485        |                   |            |
|  |                                   | 22  | WITH HERD-MATES  | 41  | 13,260      | 3.6                   | 480    |             | DIFF.           | 226-               | 5-         |                   |            |
| 1172515  | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 5   | NDN-AI DAUGHTERS | 7   | 10,059      | 3.7                   | 374    |             |                 |                    |            |                   |            |
| STATES- 34   |                                   | 4   | WITH HERD-MATES  | 6   | 10,459      | 3.7                   | 390    |             | 5               | 12,572             | 451        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 2113-              | 61-        |                   |            |
| 1172862  | VAN BAVELS CRUSADER.....          |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 03-21-52   | 854184 2715972                    | 182 | AI DAUGHTERS     | 357 | 12,629      | 3.7                   | 471    |             |                 |                    |            |                   |            |
| AI STUD, 92-01   | LISTED, 08-63                     | 152 | WITH HERD-MATES  | 307 | 12,706      | 3.7                   | 474    |             | 15              | 12,941             | 476        | 11,993            | 445        |
| STATES- 12,91,92   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 235-               | 2-         |                   |            |
| 1173577  | SKOKIE GOLDEN STAR.....           |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 11-14-51   | 1079736 2075440                   | 23  | AI DAUGHTERS     | 23  | 13,132      | 3.5                   | 458    |             |                 |                    |            |                   |            |
| AI STUD, 41-25   | LISTED, 08-63                     | 23  | WITH HERD-MATES  | 23  | 13,132      | 3.5                   | 458    |             | 30              | 12,594             | 454        | 12,515            | 447        |
| STATES- 42,47  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 538                | 4          |                   |            |
|  |                                   | 27  | NDN-AI DAUGHTERS | 44  | 16,397      | 3.4                   | 561    |             | 5               | 14,958             | 545        |                   |            |
|  |                                   | 21  | WITH HERD-MATES  | 37  | 16,335      | 3.4                   | 557    |             | DIFF.           | 1377               | 12         |                   |            |
| 1173685  | PABST PRAISE.....                 |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 02-09-52   | 981360 2782415                    | 201 | AI DAUGHTERS     | 216 | 12,234      | 3.7                   | 455    |             |                 |                    |            |                   |            |
| AI STUD, 41-25   | LISTED, 08-63                     | 192 | WITH HERD-MATES  | 205 | 12,263      | 3.7                   | 457    |             | 15              | 12,473             | 457        | 11,970            | 445        |
| STATES- 23,31,35,41,45,54  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 210-               |            |                   |            |
|  |                                   | 17  | NDN-AI DAUGHTERS | 28  | 12,793      | 3.7                   | 474    |             | 14              | 13,164             | 486        |                   |            |
|  |                                   | 15  | WITH HERD-MATES  | 26  | 13,409      | 3.7                   | 495    |             | DIFF.           | 245                | 9          |                   |            |
| 1174118  | B D I AUGDVDD HECTOR.....         |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 10-02-51   | 741318 2856955                    | 174 | AI DAUGHTERS     | 179 | 12,196      | 3.8                   | 459    |             |                 |                    |            |                   |            |
| AI STUD, 41-01   | LISTED, 08-63                     | 168 | WITH HERD-MATES  | 173 | 12,211      | 3.8                   | 459    |             | 16              | 12,752             | 463        | 11,690            | 442        |
| STATES- 41,42,45,46,51,52,81,87  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 541-               | 4-         |                   |            |
|  |                                   | 27  | NDN-AI DAUGHTERS | 68  | 13,325      | 3.9                   | 525    |             | 20              | 13,305             | 499        |                   |            |
|  |                                   | 21  | WITH HERD-MATES  | 58  | 13,192      | 3.9                   | 517    |             | DIFF.           | 113-               | 18         |                   |            |
| 1174329  | HICKDRY CRFEK CRESCENT PDSCH..... |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 09-02-51   | 949159 2201394                    | 235 | AI DAUGHTERS     | 382 | 12,816      | 3.6                   | 463    |             |                 |                    |            |                   |            |
| AI STUD, 33-02   | LISTED, 08-63                     | 226 | WITH HERD-MATES  | 369 | 12,843      | 3.6                   | 463    |             | 14              | 12,222             | 454        | 12,727            | 453        |
| STATES- 33   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 621                | 9          |                   |            |
| 1174718  | DA-CG-TDN JULE WINDSDR.....       |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 03-27-52   | 1089774 2451460                   | 66  | AI DAUGHTERS     | 94  | 13,274      | 3.6                   | 476    |             |                 |                    |            |                   |            |
| AI STUD, 41-25   | LISTED, 08-63                     | 65  | WITH HERD-MATES  | 92  | 13,277      | 3.6                   | 476    |             | 20              | 12,387             | 449        | 12,904            | 467        |
| STATES- 47,48  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 890                | 27         |                   |            |
| 1174788  | FRAN-WILL ADMIRAL LUCIFER.....    |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 02-24-52   | 769170 2703929                    | 130 | AI DAUGHTERS     | 194 | 13,813      | 3.7                   | 512    |             |                 |                    |            |                   |            |
| AI STUD, 31-01   | LISTED, 08-63                     | 127 | WITH HERD-MATES  | 191 | 13,862      | 3.7                   | 515    |             | 32              | 14,394             | 536        | 11,857            | 433        |
| STATES- 23,31,55,74,84   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 532-               | 21-        |                   |            |
|  |                                   | 2   | NDN-AI DAUGHTERS | 7   | 17,893      | 3.3                   | 593    |             | 67              | 15,607             | 552        |                   |            |
|  |                                   | 2   | WITH HERD-MATES  | 7   | 17,893      | 3.3                   | 593    |             | DIFF.           | 2286               | 41         |                   |            |
| 1175509  | MDDSEHEART NDBLE-TWIN.....        |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 03-02-52   | 1024453 2811265                   | 207 | AI DAUGHTERS     | 215 | 12,234      | 3.9                   | 472    |             |                 |                    |            |                   |            |
| AI STUD, 33-03   | LISTED, 08-63                     | 202 | WITH HERD-MATES  | 210 | 12,265      | 3.9                   | 474    |             | 15              | 12,945             | 476        | 11,572            | 445        |
| STATES- 11,12,13,14,15,16,21,22,23,31,32,33,34,35,41,42,43,47,51,52,54,55,57,61,63,74,84,91,92 |                                   |     |                  |     |             |                       |        |             | DIFF.           | 680-               | 2-         |                   |            |
|  |                                   | 29  | NDN-AI DAUGHTERS | 46  | 12,835      | 3.8                   | 492    |             | 14              | 12,627             | 467        |                   |            |
|  |                                   | 29  | WITH HERD-MATES  | 46  | 12,835      | 3.8                   | 492    |             | DIFF.           | 208                | 25         |                   |            |
| 1175701  | GLDVER ADMIRAL GENERAL-TWIN.....  |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 07-16-51   | 949223 2054730                    | 16  | AI DAUGHTERS     | 28  | 11,227      | 3.4                   | 386    |             |                 |                    |            |                   |            |
| AI STUD, 94-01   | LISTED, 08-63                     | 15  | WITH HERD-MATES  | 27  | 11,049      | 3.4                   | 379    |             | 15              | 10,981             | 387        | 12,109            | 436        |
| STATES- 35,94  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 68                 | 8-         |                   |            |
| 1176577  | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 5   | NDN-AI DAUGHTERS | 6   | 13,558      | 3.6                   | 488    |             |                 |                    |            |                   |            |
| STATES- 23   |                                   | 5   | WITH HERD-MATES  | 6   | 13,558      | 3.6                   | 488    |             | 22              | 13,395             | 499        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 163                | 11-        |                   |            |
| 1176731  | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 5   | NDN-AI DAUGHTERS | 5   | 10,444      | 3.7                   | 388    |             |                 |                    |            |                   |            |
| STATES- 73   |                                   | 5   | WITH HERD-MATES  | 5   | 10,444      | 3.7                   | 388    |             | 16              | 11,016             | 396        | 12,904            | 467        |
|  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 572-               | 8-         |                   |            |
| 1176818  | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 5   | NDN-AI DAUGHTERS | 6   | 11,397      | 3.6                   | 407    |             |                 |                    |            |                   |            |
| STATES- 35   |                                   | 5   | WITH HERD-MATES  | 5   | 11,110      | 3.6                   | 397    |             | 10              | 12,050             | 438        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 940-               | 41-        |                   |            |
| 1176853  | FDR-MAR LDCHINVAR CHIEFTAIN.....  |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 04-20-52   | 1037016 2423013                   | 13  | AI DAUGHTERS     | 13  | 13,552      | 3.2                   | 440    |             |                 |                    |            |                   |            |
| AI STUD, 34-01   | LISTED, 08-63                     | 11  | WITH HERD-MATES  | 11  | 13,638      | 3.2                   | 440    |             | 16              | 13,160             | 480        | 12,408            | 427        |
| STATES- 34   |                                   |     |                  |     |             |                       |        |             | DIFF.           | 478                | 40-        |                   |            |
|  |                                   | 20  | NDN-AI DAUGHTERS | 45  | 15,604      | 3.3                   | 509    |             | 4               | 13,990             | 483        |                   |            |
|  |                                   | 19  | WITH HERD-MATES  | 43  | 15,464      | 3.3                   | 507    |             | DIFF.           | 1474               | 24         |                   |            |
| 1177112  | .....                             |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|  |                                   | 5   | NDN-AI DAUGHTERS | 5   | 13,478      | 3.5                   | 467    |             |                 |                    |            |                   |            |
| STATES- 32   |                                   | 4   | WITH HERD-MATES  | 4   | 13,113      | 3.3                   | 436    |             | 11              | 12,881             | 478        |                   |            |
|  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 232                | 42-        |                   |            |
| 1177398  | MANCRYCD GOVERNDR SUNNYBANK.....  |     |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 02-05-52   | 918396 1905936                    | 66  | AI DAUGHTERS     | 72  | 13,002      | 3.7                   | 478    |             |                 |                    |            |                   |            |
| AI STUD, 42-02   | LISTED, 08-63                     | 65  | WITH HERD-MATES  | 71  | 13,018      | 3.7                   | 478    |             | 10              | 12,490             | 460        | 12,608            | 461        |
| STATES- 42,73  |                                   |     |                  |     |             |                       |        |             | DIFF.           | 528                | 18         |                   |            |
|  |                                   | 22  | NDN-AI DAUGHTERS | 41  | 15,957      | 3.6                   | 568    |             | 6               | 14,833             | 533        |                   |            |
|  |                                   | 22  | WITH HERD-MATES  | 40  | 15,969      | 3.6                   | 568    |             | DIFF.           | 1136               | 35         |                   |            |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                       |                                     |                     | AV. PRODUCTION OF DAU. | AV. HERO-MATES AV. | PREOICTED AV. |
|--------------------------------|-------------------------------------|---------------------|------------------------|--------------------|---------------|
|                                |                                     |                     | RECORDS MILK TEST FAT  | AV. MILK FAT       | MILK FAT      |
|                                |                                     |                     | NUMBER LB % LB         | NUMBER LB LB       | L8 L8         |
| 1177794                        | .....                               |                     |                        |                    |               |
| STATES- 50,51                  | 6 NON-AI DAUGHTERS                  | 8 10,898 3.8 410    |                        |                    |               |
|                                | 6 WITH HERD-MATES                   | 8 10,898 3.8 410    |                        | 19 10,201 393      |               |
|                                |                                     |                     |                        | DIFF. 697 17       |               |
| 1177918                        | .....                               |                     |                        |                    |               |
| STATES- 35                     | 5 NON-AI DAUGHTERS                  | 9 12,933 3.6 467    |                        |                    |               |
|                                | 5 WITH HERD-MATES                   | 8 13,219 3.6 479    |                        | 10 12,331 433      |               |
|                                |                                     |                     |                        | DIFF. 888 46       |               |
| 1178235                        | CARNATION STANO-OUT HEILO.....      |                     |                        |                    |               |
| 01-09-52                       | 943802 2638045 261 AI DAUGHTERS     | 346 13,367 3.7 496  |                        |                    |               |
| AI STUO, 35-02 LISTED, 08-63   | 245 WITH HERD-MATES                 | 325 13,412 3.7 498  |                        | 13 13,269 484      | 12,378 461    |
| STATES- 22,34,35,41,74,91      |                                     |                     |                        | DIFF. 143 14       |               |
| 1178318                        | TIOY IOEAL BURKE MASTER.....        |                     |                        |                    |               |
| 01-29-52                       | 1013415 2344506 116 AI DAUGHTERS    | 164 15,230 3.6 553  |                        |                    |               |
| AI STUO, 93-01 LISTED, 08-63   | 99 WITH HERD-MATES                  | 142 15,400 3.6 560  |                        | 65 15,596 543      | 12,269 468    |
| STATES- 86,93                  |                                     |                     |                        | DIFF. 196- 17      |               |
|                                | 9 NON-AI DAUGHTERS                  | 20 12,650 3.7 472   |                        |                    |               |
|                                | 9 WITH HERD-MATES                   | 20 12,650 3.7 472   |                        | 37 14,026 522      |               |
|                                |                                     |                     |                        | DIFF. 1376- 50-    |               |
| 1178951                        | PICKITT ACRES OOREEN DEAN.....      |                     |                        |                    |               |
| 02-28-52                       | 981360 2480867 45 AI DAUGHTERS      | 88 14,524 3.6 524   |                        |                    |               |
| AI STUO, 84-01 LISTED, 08-63   | 43 WITH HERD-MATES                  | 85 14,544 3.6 526   |                        | 16 13,649 497      | 12,951 471    |
| STATES- 84                     |                                     |                     |                        | DIFF. 895 29       |               |
| 1179076                        | AGTEX KARMORE BEAUTY KING.....      |                     |                        |                    |               |
| 02-15-52                       | 845079 2574564 35 AI DAUGHTERS      | 74 13,053 3.4 445   |                        |                    |               |
| AI STUO, 74-01 LISTED, 08-63   | 35 WITH HERD-MATES                  | 74 13,053 3.4 445   |                        | 25 12,944 450      | 12,276 441    |
| STATES- 71,74                  |                                     |                     |                        | DIFF. 109 5-       |               |
| 1179372                        | WIS INSIGNIA.....                   |                     |                        |                    |               |
| 04-26-52                       | 933122 2269236 694 AI DAUGHTERS     | 735 13,992 3.7 517  |                        |                    |               |
| AI STUO, 35-75 LISTED, 08-63   | 679 WITH HERD-MATES                 | 718 13,996 3.7 517  |                        | 18 13,375 492      | 12,865 473    |
| STATES- 12,13,16,21,22,23,31,  |                                     |                     |                        | DIFF. 621 25       |               |
| 32,33,34,35,41,42,43,47,48,51, | 47 NON-AI DAUGHTERS                 | 122 14,375 3.7 539  |                        |                    |               |
| 52,55,74,82,84,87,91,92        | 47 WITH HERD-MATES                  | 109 14,331 3.7 536  |                        | 13 13,608 503      |               |
|                                |                                     |                     |                        | DIFF. 723 33       |               |
| 1179373                        | WIS SUPREME CRUSADER.....           |                     |                        |                    |               |
| 05-08-52                       | 1046284 2252406 865 AI DAUGHTERS    | 1216 13,394 3.7 492 |                        |                    |               |
| AI STUO, 33-03 LISTED, 08-63   | 826 WITH HERD-MATES                 | 1164 13,425 3.7 493 |                        | 15 13,055 481      | 12,588 460    |
| STATES- 11,12,13,14,16,21,22,  |                                     |                     |                        | DIFF. 370 12       |               |
| 23,31,32,33,34,35,41,42,43,46, | 20 NON-AI DAUGHTERS                 | 73 13,263 3.7 494   |                        |                    |               |
| 47,48,50,51,52,54,55,57,61,82, | 19 WITH HERD-MATES                  | 71 13,358 3.7 499   |                        | 6 12,319 462       |               |
| 84,87,91,92                    |                                     |                     |                        | DIFF. 1039 37      |               |
| 1179522                        | .....                               |                     |                        |                    |               |
| STATES- 21                     | 5 NON-AI DAUGHTERS                  | 5 16,380 3.5 579    |                        |                    |               |
|                                | 5 WITH HERD-MATES                   | 5 16,380 3.5 579    |                        | 13 13,088 435      |               |
|                                |                                     |                     |                        | DIFF. 3292 144     |               |
| 1179574                        | CURTISS CANOY FLASHY CURTISS.....   |                     |                        |                    |               |
| 04-12-52                       | 1056882 2526666 746 AI DAUGHTERS    | 1436 12,255 3.9 472 |                        |                    |               |
| AI STUO, 33-03 LISTED, 08-63   | 694 WITH HERD-MATES                 | 1360 12,286 3.9 475 |                        | 14 12,766 469      | 11,726 452    |
| STATES- 11,12,13,14,16,21,22,  |                                     |                     |                        | DIFF. 480- 6       |               |
| 23,31,32,33,34,35,41,42,43,45, | 1 NON-AI DAUGHTERS                  | 1 10,470 3.6 380    |                        |                    |               |
| 46,47,48,50,51,52,54,55,57,64, | 1 WITH HERD-MATES                   | 1 10,470 3.6 380    |                        | 1 13,785 489       |               |
| 71,73,74,82,86,87,91,92,93     |                                     |                     |                        | DIFF. 3315- 109-   |               |
| 1179575                        | CURTISS CANOY GOVERNOR CURTISS..... |                     |                        |                    |               |
| 05-01-52                       | 969669 2283486 518 AI DAUGHTERS     | 950 12,619 3.6 452  |                        |                    |               |
| AI STUO, 33-03 LISTED, 08-63   | 500 WITH HERD-MATES                 | 918 12,629 3.6 452  |                        | 14 12,778 469      | 12,053 429    |
| STATES- 11,12,13,14,15,16,21,  |                                     |                     |                        | DIFF. 149- 17-     |               |
| 22,23,31,32,33,34,35,41,42,43, |                                     |                     |                        |                    |               |
| 46,47,48,50,51,52,55,56,57,73, |                                     |                     |                        |                    |               |
| 74,82,84,91                    |                                     |                     |                        |                    |               |
| 1180202                        | MARSH SENATOR ACE.....              |                     |                        |                    |               |
| 09-27-51                       | 845846 3105605 29 NON-AI DAUGHTERS  | 69 13,626 3.7 506   |                        |                    |               |
| AI STUO, 87-01 LISTED, 08-63   | 29 WITH HERD-MATES                  | 64 13,661 3.7 506   |                        | 11 13,634 520      |               |
| STATES- 32,87                  |                                     |                     |                        | DIFF. 27 14-       |               |
| 1180758                        | FDREST RIGGE CYRUS DEAN.....        |                     |                        |                    |               |
| 03-15-52                       | 761977 2932443 290 AI DAUGHTERS     | 420 12,722 3.7 476  |                        |                    |               |
| AI STUO, 21-01 LISTED, 08-63   | 263 WITH HERD-MATES                 | 382 12,835 3.7 481  |                        | 17 13,304 482      | 11,801 447    |
| STATES- 13,14,21,23,51         |                                     |                     |                        | DIFF. 469- 1-      |               |
| 1181027                        | .....                               |                     |                        |                    |               |
| STATES- 35,57                  | 5 NON-AI DAUGHTERS                  | 17 11,381 3.9 446   |                        |                    |               |
|                                | 5 WITH HERD-MATES                   | 17 11,381 3.9 446   |                        | 8 12,018 446       |               |
|                                |                                     |                     |                        | DIFF. 637- 6       |               |
| 1181029                        | BURKE MAVIEW TOGUS.....             |                     |                        |                    |               |
| 03-31-52                       | 821505 2662449 177 AI DAUGHTERS     | 181 13,384 3.7 500  |                        |                    |               |
| AI STUO, 35-75 LISTED, 08-63   | 174 WITH HERD-MATES                 | 178 13,394 3.7 500  |                        | 19 13,421 491      | 12,230 457    |
| STATES- 12,13,16,21,22,23,31,  |                                     |                     |                        | DIFF. 27- 9        |               |
| 32,33,34,35,41,42,48,51,52,55, | 27 NON-AI DAUGHTERS                 | 73 17,129 3.6 617   |                        |                    |               |
| 56,57,64,73,87,93              | 24 WITH HERD-MATES                  | 68 17,158 3.6 616   |                        | 23 14,019 503      |               |
|                                |                                     |                     |                        | DIFF. 3139 113     |               |
| 1181277                        | .....                               |                     |                        |                    |               |
| STATES- 50                     | 5 NON-AI DAUGHTERS                  | 13 10,594 3.4 362   |                        |                    |               |
|                                | 5 WITH HERD-MATES                   | 12 10,716 3.4 365   |                        | 12 10,106 359      |               |
|                                |                                     |                     |                        | DIFF. 610 6        |               |
| 1181572                        | DIAMOND S SIR BEAUTY BA PIETF.....  |                     |                        |                    |               |
| 01-08-52                       | 884043 2682027 12 NON-AI DAUGHTERS  | 12 15,140 3.7 560   |                        |                    |               |
| AI STUO, 35-75 LISTED, 08-63   | 11 WITH HERD-MATES                  | 11 15,302 3.7 569   |                        | 22 16,086 583      |               |
| STATES- 93                     |                                     |                     |                        | DIFF. 784- 14-     |               |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN  |     |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|-----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1182301 HICKORY CREEK LAD ECHO -TWIN-.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-14-51 933055 2306201   | 30  | AI DAUGHTERS     | 30          | 11,507                | 3.8    | 436         |                 |                    |            |                   |            |
| AI STUD, 33-02 LISTED, 08-63  | 29  | WITH HERD-MATES  | 29          | 11,554                | 3.8    | 438         | 12              | 12,480             | 470        | 11,511            | 424        |
| STATES- 33  |     |                  |             |                       |        |             | DIFF.           | 926-               | 32-        |                   |            |
| 1182359 CURNMANS LAUXMONT DEAN.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-27-52 769170 2939718   | 1   | AI DAUGHTERS     | 1           | 6,900                 | 4.3    | 298         |                 |                    |            |                   |            |
| AI STUD, 63-01 LISTED, 08-63  | 1   | WITH HERD-MATES  | 1           | 6,900                 | 4.3    | 298         | 21              | 10,054             | 408        | 11,900            | 436        |
| STATES- 23,63   |     |                  |             |                       |        |             | DIFF.           | 3154-              | 110-       |                   |            |
|   | 35  | NDN-AI DAUGHTERS | 95          | 11,783                | 3.8    | 443         | 10              | 12,081             | 453        |                   |            |
|   | 35  | WITH HERD-MATES  | 93          | 11,745                | 3.8    | 442         | DIFF.           | 336-               | 11-        |                   |            |
| 1182657 ZIMMERMAN PANSTAR MARK.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-01-51 1009371 3111158  | 1   | AI DAUGHTERS     | 1           | 12,070                | 3.7    | 451         |                 |                    |            |                   |            |
| AI STUD, 23-01 LISTED, 08-63  | 21  | NDN-AI DAUGHTERS | 56          | 15,911                | 3.9    | 614         |                 |                    |            |                   |            |
| STATES- 21,23   | 18  | WITH HERD-MATES  | 46          | 16,249                | 3.8    | 624         | 6               | 15,189             | 563        |                   |            |
|   |     |                  |             |                       |        |             | DIFF.           | 1060               | 61         |                   |            |
| 1182696 ATBITH T V RAG APPLE JIM.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 12-14-51 923749 2790993   | 461 | AI DAUGHTERS     | 945         | 13,527                | 3.8    | 513         |                 |                    |            |                   |            |
| AI STUD, 31-01 LISTED, 08-63  | 430 | WITH HERD-MATES  | 886         | 13,619                | 3.8    | 517         | 16              | 12,562             | 472        | 13,202            | 491        |
| STATES- 32,33,35,54,55,63,74  |     |                  |             |                       |        |             | DIFF.           | 1057               | 45         |                   |            |
|   | 1   | NDN-AI DAUGHTERS | 2           | 12,575                | 3.6    | 455         | 14              | 12,482             | 445        |                   |            |
|   | 1   | WITH HERD-MATES  | 2           | 12,575                | 3.6    | 455         | DIFF.           | 93                 | 10         |                   |            |
| 1183120 PLAIN VIEW DOMINATOR.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 05-07-52 915940 2608304   | 1   | AI DAUGHTERS     | 1           | 12,310                | 3.4    | 419         |                 |                    |            |                   |            |
| AI STUD, 93-10 LISTED, 08-63  | 1   | WITH HERD-MATES  | 1           | 12,310                | 3.4    | 419         | 7               | 15,089             | 544        | 11,961            | 436        |
| STATES- 35,41   |     |                  |             |                       |        |             | DIFF.           | 2779-              | 125-       |                   |            |
|   | 11  | NDN-AI DAUGHTERS | 18          | 12,108                | 3.9    | 470         | 28              | 13,166             | 481        |                   |            |
|   | 11  | WITH HERD-MATES  | 18          | 12,108                | 3.9    | 470         | DIFF.           | 1058-              | 11-        |                   |            |
| 1183200 VERADELDA ECHO IRENE.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-09-51 844122 2739993   | 53  | AI DAUGHTERS     | 63          | 13,355                | 3.7    | 492         |                 |                    |            |                   |            |
| AI STUD, 35-03 LISTED, 08-63  | 53  | WITH HERD-MATES  | 63          | 13,355                | 3.7    | 492         | 13              | 13,083             | 476        | 12,432            | 459        |
| STATES- 35,55,87  |     |                  |             |                       |        |             | DIFF.           | 272                | 16         |                   |            |
|   | 11  | NON-AI DAUGHTERS | 27          | 15,614                | 3.7    | 579         | 9               | 14,215             | 535        |                   |            |
|   | 11  | WITH HERD-MATES  | 27          | 15,614                | 3.7    | 579         | DIFF.           | 1399               | 44         |                   |            |
| 1183303 B O I DEANAUGD JIM.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-04-52 761977 3241338   | 43  | NDN-AI DAUGHTERS | 117         | 16,271                | 3.7    | 600         |                 |                    |            |                   |            |
| AI STUD, 72-01 LISTED, 08-63  | 43  | WITH HERD-MATES  | 116         | 16,271                | 3.7    | 600         | 21              | 15,092             | 544        |                   |            |
| STATES- 14  |     |                  |             |                       |        |             | DIFF.           | 1179               | 56         |                   |            |
| 1183498 PABST RAVEN FINELL.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-06-52 909839 2782414   | 491 | AI DAUGHTERS     | 532         | 12,593                | 3.7    | 469         |                 |                    |            |                   |            |
| AI STUD, 33-01 LISTED, 08-63  | 472 | WITH HERD-MATES  | 512         | 12,653                | 3.7    | 471         | 16              | 12,633             | 476        | 12,203            | 442        |
| STATES- 21,33,35,42,43,57,64,74,84  |     |                  |             |                       |        |             | DIFF.           | 20                 | 5-         |                   |            |
|   | 6   | NDN-AI DAUGHTERS | 7           | 13,675                | 3.5    | 482         | 8               | 12,967             | 477        |                   |            |
|   | 6   | WITH HERD-MATES  | 7           | 13,675                | 3.5    | 482         | DIFF.           | 708                | 5          |                   |            |
| 1183542 GRAMLING HOMESTEAD F08ES CDMRO.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-31-51 1070202 2594067  | 2   | AI DAUGHTERS     | 2           | 9,020                 | 3.6    | 326         |                 |                    |            |                   |            |
| AI STUD, 34-01 LISTED, 08-63  | 2   | WITH HERD-MATES  | 2           | 9,020                 | 3.6    | 326         | 3               | 11,890             | 462        | 11,730            | 425        |
| STATES- 31,34   |     |                  |             |                       |        |             | DIFF.           | 2870-              | 136-       |                   |            |
|   | 22  | NDN-AI DAUGHTERS | 73          | 14,272                | 3.5    | 497         | 6               | 12,592             | 462        |                   |            |
|   | 21  | WITH HERD-MATES  | 71          | 14,491                | 3.5    | 504         | DIFF.           | 1899               | 42         |                   |            |
| 1183958 .....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| AI STUD, 31-02  | 5   | NON-AI DAUGHTERS | 8           | 11,141                | 3.5    | 388         |                 |                    |            |                   |            |
| STATES- 32,55   | 5   | WITH HERD-MATES  | 8           | 11,141                | 3.5    | 388         | 13              | 12,832             | 468        |                   |            |
|   |     |                  |             |                       |        |             | DIFF.           | 1691-              | 80-        |                   |            |
| 1183964 SHORTS AAGGIE ORMSBY TDP.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-16-52 1025570 3028408  | 17  | AI DAUGHTERS     | 17          | 11,582                | 3.8    | 440         |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63  | 15  | WITH HERD-MATES  | 15          | 12,182                | 3.8    | 459         | 28              | 12,030             | 435        | 12,213            | 457        |
| STATES- 33,35,42,43,47,48,71,74,84  |     |                  |             |                       |        |             | DIFF.           | 152                | 24         |                   |            |
|   | 19  | NDN-AI DAUGHTERS | 35          | 14,848                | 3.8    | 563         | 8               | 14,616             | 560        |                   |            |
|   | 19  | WITH HERD-MATES  | 34          | 14,844                | 3.8    | 562         | DIFF.           | 228                | 2          |                   |            |
| 1184848 KUSSINWOODD ROBURKE LARRY.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-21-52 1024453 3180676  | 424 | AI DAUGHTERS     | 573         | 13,309                | 3.9    | 516         |                 |                    |            |                   |            |
| AI STUD, 33-03 LISTED, 08-63  | 413 | WITH HERD-MATES  | 560         | 13,306                | 3.9    | 516         | 15              | 12,810             | 471        | 12,681            | 491        |
| STATES- 11,13,14,15,16,21,22,23,31,32,33,34,35,41,42,43,46,47,50,51,52,56,61,73,82,84,87,92 |     |                  |             |                       |        |             | DIFF.           | 496                | 45         |                   |            |
|   | 16  | NON-AI DAUGHTERS | 25          | 12,455                | 4.0    | 494         | 9               | 11,917             | 456        |                   |            |
|   | 15  | WITH HERD-MATES  | 24          | 12,415                | 4.0    | 492         | DIFF.           | 498                | 36         |                   |            |
| 1184891 SHAW'S GOLDFN CRETE UNA.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-31-52 892522 3037363   | 40  | AI DAUGHTERS     | 40          | 12,183                | 3.9    | 477         |                 |                    |            |                   |            |
| AI STUD, 12-03 LISTED, 08-63  | 39  | WITH HERD-MATES  | 39          | 12,363                | 3.9    | 484         | 14              | 12,272             | 474        | 12,215            | 454        |
| STATES- 11,12,13,14,15,21,55  |     |                  |             |                       |        |             | DIFF.           | 91                 | 10         |                   |            |
|   | 43  | NDN-AI DAUGHTERS | 136         | 13,496                | 3.8    | 511         | 21              | 12,788             | 471        |                   |            |
|   | 41  | WITH HERD-MATES  | 130         | 13,455                | 3.8    | 510         | DIFF.           | 667                | 39         |                   |            |
| 1195854 PANSCD STAR BURKE.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-12-52 1119122 2865620  | 102 | AI DAUGHTERS     | 107         | 12,486                | 3.6    | 448         |                 |                    |            |                   |            |
| AI STUD, 41-25 LISTED, 08-63  | 99  | WITH HERD-MATES  | 104         | 12,455                | 3.6    | 446         | 15              | 12,283             | 445        | 12,301            | 445        |
| STATES- 33,42,47,48   |     |                  |             |                       |        |             | DIFF.           | 172                | 1          |                   |            |
|   | 76  | NON-AI DAUGHTERS | 168         | 12,594                | 3.7    | 470         | 16              | 12,511             | 466        |                   |            |
|   | 74  | WITH HERD-MATES  | 166         | 12,703                | 3.7    | 474         | DIFF.           | 192                | 8          |                   |            |
| 1186228 .....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 93  | 11  | NON-AI DAUGHTERS | 11          | 16,978                | 3.7    | 627         |                 |                    |            |                   |            |
|   | 11  | WITH HERD-MATES  | 11          | 16,978                | 3.7    | 627         | 64              | 16,718             | 605        |                   |            |
|   |     |                  |             |                       |        |             | DIFF.           | 260                | 22         |                   |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |                                       |      | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|---|---------------------------------------|------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 1186365   | .....                                 |      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 22  | 10 NON-AI DAUGHTERS                   | 14   | 13,931      | 3.5                   | 494    |             |                 |                    |            |                       |        |
|   | 10 WITH HERD-MATES                    | 14   | 13,931      | 3.5                   | 494    |             | 7 DIFF.         | 13,406 525         | 476 18     |                       |        |
| 1187185   | .....                                 |      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21,23   | 5 NON-AI DAUGHTERS                    | 7    | 10,739      | 3.3                   | 354    |             |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES                     | 7    | 10,739      | 3.3                   | 354    |             | 14 DIFF.        | 11,061 322-        | 382 28-    |                       |        |
| 1187657   | USHUNT BURKE A B E E LAD.....         |      |             |                       |        |             |                 |                    |            |                       |        |
| 01-30-52  | 892907 2576527 6 AI DAUGHTERS         | 7    | 9,567       | 4.0                   | 379    |             |                 |                    |            |                       |        |
| AI STUD, 87-01 LISTED, 08-63  | 6 WITH HERD-MATES                     | 7    | 9,567       | 4.0                   | 379    |             | 18 DIFF.        | 12,151 2584-       | 436 57-    | 11,283                | 425    |
| STATES- 12,46   | 2 NON-AI DAUGHTERS                    | 2    | 13,400      | 4.1                   | 546    |             |                 |                    |            |                       |        |
|   | 2 WITH HERD-MATES                     | 2    | 13,400      | 4.1                   | 546    |             | 22 DIFF.        | 13,796 396-        | 492 54     |                       |        |
| 1188192   | SMCKY HILL WIS VIVIAN DEAN.....       |      |             |                       |        |             |                 |                    |            |                       |        |
| 07-31-52  | 1068870 2896074 32 NON-AI DAUGHTERS   | 93   | 13,866      | 3.8                   | 528    |             |                 |                    |            |                       |        |
| AI STUD, 48-01 LISTED, 08-63  | 31 WITH HERD-MATES                    | 90   | 14,051      | 3.8                   | 535    |             | 10 DIFF.        | 14,300 249-        | 549 14-    |                       |        |
| STATES- 47,48,73,74   |                                       |      |             |                       |        |             |                 |                    |            |                       |        |
| 1188528   | WIS IDEAL LEADER -TWIN.....           |      |             |                       |        |             |                 |                    |            |                       |        |
| 08-25-52  | 915940 2892873 83 AI DAUGHTERS        | 83   | 11,424      | 3.8                   | 439    |             |                 |                    |            |                       |        |
| AI STUD, 12-03 LISTED, 08-63  | 81 WITH HERD-MATES                    | 81   | 11,425      | 3.8                   | 438    |             | 14 DIFF.        | 12,599 1174-       | 481 43-    | 11,154                | 410    |
| STATES- 12,13,14,48   | 31 NON-AI DAUGHTERS                   | 58   | 15,726      | 3.9                   | 613    |             |                 |                    |            |                       |        |
|   | 27 WITH HERD-MATES                    | 53   | 16,104      | 3.9                   | 622    |             | 13 DIFF.        | 14,673 1431        | 552 70     |                       |        |
| 1188731   | MAN-O-WAR 8 F CRESCENT COMBINE.....   |      |             |                       |        |             |                 |                    |            |                       |        |
| 06-20-52  | 1074603 2226900 53 NON-AI DAUGHTERS   | 115  | 13,146      | 3.6                   | 472    |             |                 |                    |            |                       |        |
| AI STUD, 35-05 LISTED, 08-63  | 53 WITH HERD-MATES                    | 115  | 13,146      | 3.6                   | 472    |             | 18 DIFF.        | 14,123 977-        | 509 37-    |                       |        |
| STATES- 32,33,35,41,42,84,86  |                                       |      |             |                       |        |             |                 |                    |            |                       |        |
| 1189048   | .....                                 |      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 34  | 5 NON-AI DAUGHTERS                    | 8    | 11,888      | 3.7                   | 437    |             |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES                     | 7    | 11,663      | 3.7                   | 426    |             | 8 DIFF.         | 12,254 591-        | 442 16-    |                       |        |
| 1189470   | RUBY ACRES SUNNYSIDE RAVEN.....       |      |             |                       |        |             |                 |                    |            |                       |        |
| 08-06-52  | 909839 2475689 291 AI DAUGHTERS       | 309  | 11,612      | 3.8                   | 439    |             |                 |                    |            |                       |        |
| AI STUD, 35-75 LISTED, 08-63  | 286 WITH HERD-MATES                   | 303  | 11,661      | 3.8                   | 441    |             | 17 DIFF.        | 12,936 1275-       | 474 33-    | 11,000                | 415    |
| STATES- 13,21,23,31,32,33,34,35,41,42,43,46,47,48,52,55,56,57,64,71,73,74,82,84,91                | 12 NON-AI DAUGHTERS                   | 19   | 12,057      | 3.8                   | 460    |             |                 |                    |            |                       |        |
|   | 10 WITH HERD-MATES                    | 14   | 12,281      | 3.8                   | 471    |             | 16 DIFF.        | 12,312 31-         | 454 17     |                       |        |
| 1189590   | WIS ORMSBY PILOT.....                 |      |             |                       |        |             |                 |                    |            |                       |        |
| 09-26-52  | 933122 2980143 298 AI DAUGHTERS       | 502  | 12,447      | 3.7                   | 457    |             |                 |                    |            |                       |        |
| AI STUD, 41-25 LISTED, 08-63  | 272 WITH HERD-MATES                   | 456  | 12,461      | 3.7                   | 457    |             | 17 DIFF.        | 12,392 69          | 448 9      | 12,225                | 453    |
| STATES- 33,42   |                                       |      |             |                       |        |             |                 |                    |            |                       |        |
| 1189593   | WIS SYMBOL.....                       |      |             |                       |        |             |                 |                    |            |                       |        |
| 09-28-52  | 915940 2347083 145 AI DAUGHTERS       | 145  | 13,998      | 3.5                   | 483    |             |                 |                    |            |                       |        |
| AI STUD, 34-01 LISTED, 08-63  | 140 WITH HERD-MATES                   | 140  | 14,124      | 3.4                   | 487    |             | 11 DIFF.        | 13,224 900         | 477 10     | 13,063                | 456    |
| STATES- 21,23,31,33,34,35,41,42,48,52,61,73,84  | 60 NON-AI DAUGHTERS                   | 134  | 13,912      | 3.6                   | 494    |             |                 |                    |            |                       |        |
|   | 60 WITH HERD-MATES                    | 134  | 13,912      | 3.6                   | 494    |             | 34 DIFF.        | 13,828 84          | 509 15-    |                       |        |
| 1189662   | .....                                 |      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 35  | 6 NON-AI DAUGHTERS                    | 11   | 14,677      | 3.6                   | 528    |             |                 |                    |            |                       |        |
|   | 6 WITH HERD-MATES                     | 11   | 14,677      | 3.6                   | 528    |             | 12 DIFF.        | 12,576 2101        | 445 83     |                       |        |
| 1189676   | .....                                 |      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 52,55   | 5 NON-AI DAUGHTERS                    | 8    | 12,396      | 3.4                   | 425    |             |                 |                    |            |                       |        |
|   | 4 WITH HERD-MATES                     | 6    | 12,834      | 3.4                   | 442    |             | 24 DIFF.        | 12,438 396         | 452 10-    |                       |        |
| 1189679   | PAULINE SILVER TIDY BURKE - TWIN..... |      |             |                       |        |             |                 |                    |            |                       |        |
| 01-06-52  | 1113348 2801455 806 AI DAUGHTERS      | 942  | 13,745      | 3.6                   | 497    |             |                 |                    |            |                       |        |
| AI STUD, 52-01 LISTED, 08-63  | 775 WITH HERD-MATES                   | 906  | 13,733      | 3.6                   | 496    |             | 24 DIFF.        | 12,623 1110        | 462 34     | 13,271                | 479    |
| STATES- 23,51,52,55,63  | 78 NON-AI DAUGHTERS                   | 180  | 13,622      | 3.6                   | 489    |             |                 |                    |            |                       |        |
|   | 75 WITH HERD-MATES                    | 169  | 13,580      | 3.6                   | 486    |             | 13 DIFF.        | 13,084 496         | 485 1      |                       |        |
| 1189870   | USBORNDALE IVANHOE.....               |      |             |                       |        |             |                 |                    |            |                       |        |
| 04-26-52  | 848777 2471271 2590 AI DAUGHTERS      | 3055 | 13,752      | 3.8                   | 529    |             |                 |                    |            |                       |        |
| AI STUD, 23-08 LISTED, 08-63  | 2524 WITH HERD-MATES                  | 2975 | 13,801      | 3.8                   | 531    |             | 14 DIFF.        | 13,527 274         | 515 16     | 12,544                | 467    |
| STATES- 11,12,13,14,15,16,21,22,23,22,23,50,51,52,55,57,61,86,87                                  | 78 NON-AI DAUGHTERS                   | 177  | 14,803      | 3.8                   | 568    |             |                 |                    |            |                       |        |
|   | 75 WITH HERD-MATES                    | 174  | 14,775      | 3.9                   | 569    |             | 12 DIFF.        | 14,878 103-        | 564 5      |                       |        |
| 1190010   | .....                                 |      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 61  | 5 NON-AI DAUGHTERS                    | 5    | 8,238       | 3.6                   | 299    |             |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES                     | 5    | 8,238       | 3.6                   | 299    |             | 5 DIFF.         | 9,935 1697-        | 366 67-    |                       |        |
| 1190151   | WALKER MABEL PABST OF RONHUB.....     |      |             |                       |        |             |                 |                    |            |                       |        |
| 07-14-52  | 1104657 2467841 596 AI DAUGHTERS      | 1053 | 12,456      | 3.8                   | 470    |             |                 |                    |            |                       |        |
| AI STUD, 33-03 LISTED, 08-63  | 579 WITH HERD-MATES                   | 1024 | 12,479      | 3.8                   | 470    |             | 15 DIFF.        | 12,811 332-        | 471 1-     | 11,879                | 446    |
| STATES- 11,13,14,16,21,22,23,31,32,33,34,35,41,42,43,46,47,50,51,52,54,55,57,61,73,82,84,87,91,92 | 28 NON-AI DAUGHTERS                   | 67   | 12,150      | 3.8                   | 461    |             |                 |                    |            |                       |        |
|   | 26 WITH HERD-MATES                    | 65   | 12,215      | 3.8                   | 466    |             | 15 DIFF.        | 12,930 715-        | 480 14-    |                       |        |
| 1190632   | LYGN BROOK WALLIE QUEEN.....          |      |             |                       |        |             |                 |                    |            |                       |        |
| 06-11-52  | 835921 2803453 240 AI DAUGHTERS       | 253  | 13,739      | 3.5                   | 480    |             |                 |                    |            |                       |        |
| AI STUD, 33-03 LISTED, 08-63  | 232 WITH HERD-MATES                   | 245  | 13,791      | 3.5                   | 481    |             | 16 DIFF.        | 13,386 405         | 496 15-    | 12,639                | 434    |
| STATES- 11,12,13,14,15,16,21,22,23,31,32,33,34,35,41,42,43,46,48,50,51,52,55,56,57,64,84          | 95 NON-AI DAUGHTERS                   | 241  | 15,132      | 3.4                   | 520    |             |                 |                    |            |                       |        |
|   | 93 WITH HERD-MATES                    | 238  | 15,128      | 3.4                   | 519    |             | 14 DIFF.        | 13,859 1269        | 517 2      |                       |        |



#### SIREs OF DHIA DAUGHTERS

| SIRIES OF DATA DAUGHTERS  |  |  |  | AV. RECORDS         | PRODUCTION OF MILK | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB   | PREDICTED AV. MILK LB FAT LB |            |
|---|--|--|--|---------------------|--------------------|--------|-------------|-----------------|--------------------|--------------|------------------------------|------------|
| HOLSTEIN  |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 1190795 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 33,41,61  |  |  |  | 5 NON-AI DAUGHTERS  | 11                 | 11,050 | 4.0         | 441             |                    |              |                              |            |
|   |  |  |  | 5 WITH HERD-MATES   | 11                 | 11,050 | 4.0         | 441             | 10 DIFF.           | 11,216 166-  | 405 36                       |            |
| 1190981 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 91,92   |  |  |  | 5 NON-AI DAUGHTERS  | 5                  | 14,056 | 3.6         | 510             |                    |              |                              |            |
|   |  |  |  | 5 WITH HERD-MATES   | 5                  | 14,056 | 3.6         | 510             | 6 DIFF.            | 12,327 1729  | 450 60                       |            |
| 1191185 SIR BESS BURKE OORA LAD.....  |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 12-02-51 981360 2388170   |  |  |  | 57 AI DAUGHTERS     | 58                 | 11,409 | 3.8         | 428             |                    |              |                              |            |
| AI STUD, 41-25 LISTED, 08-63  |  |  |  | 57 WITH HERD-MATES  | 58                 | 11,409 | 3.8         | 428             | 18 DIFF.           | 12,600 1191- | 460 32-                      | 11,196 419 |
| STATES- 42,52   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 30 NON-AI DAUGHTERS | 82                 | 12,466 | 3.6         | 455             |                    |              |                              |            |
|   |  |  |  | 28 WITH HERD-MATES  | 80                 | 12,422 | 3.6         | 453             | 10 DIFF.           | 12,860 438-  | 465 12-                      |            |
| 1191743 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 42  |  |  |  | 5 NON-AI DAUGHTERS  | 7                  | 15,217 | 3.3         | 505             |                    |              |                              |            |
|   |  |  |  | 5 WITH HERD-MATES   | 7                  | 15,217 | 3.3         | 505             | 5 DIFF.            | 14,257 960   | 503 2                        |            |
| 1191921 HIGH MEADOW FARM MASTER OEAN.....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 07-06-51 761977 3203892   |  |  |  | 102 AI DAUGHTERS    | 105                | 13,188 | 3.8         | 495             |                    |              |                              |            |
| AI STUD, 35-75 LISTED, 08-63  |  |  |  | 101 WITH HERD-MATES | 103                | 13,223 | 3.8         | 497             | 13 DIFF.           | 12,756 467   | 469 28                       | 12,606 471 |
| STATES- 13,21,22,33,34,35,41,42,48,52,55,61,73  |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 24 NON-AI DAUGHTERS | 77                 | 14,055 | 3.9         | 546             |                    |              |                              |            |
|   |  |  |  | 23 WITH HERD-MATES  | 71                 | 14,197 | 3.9         | 551             | 12 DIFF.           | 13,601 596   | 523 28                       |            |
| 1192494 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 52,55   |  |  |  | 5 NON-AI DAUGHTERS  | 16                 | 14,711 | 3.7         | 543             |                    |              |                              |            |
|   |  |  |  | 5 WITH HERD-MATES   | 16                 | 14,711 | 3.7         | 543             | 33 DIFF.           | 13,882 829   | 509 34                       |            |
| 1192713 NEMAHA REROYAL BURKE.....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 02-18-52 984799 2961239   |  |  |  | 778 AI DAUGHTERS    | 971                | 14,017 | 3.7         | 517             |                    |              |                              |            |
| AI STUD, 35-75 LISTED, 08-63  |  |  |  | 747 WITH HERD-MATES | 936                | 14,038 | 3.7         | 518             | 21 DIFF.           | 12,997 1041  | 476 42                       | 13,239 488 |
| STATES- 12,13,14,16,21,22,23,31,32,33,34,35,41,42,43,47,48,51,52,55,56,57,58,61,64,82,86,87,91,92 |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 41 NON-AI DAUGHTERS | 121                | 15,538 | 3.9         | 601             |                    |              |                              |            |
|   |  |  |  | 37 WITH HERD-MATES  | 113                | 15,778 | 3.9         | 608             | 27 DIFF.           | 14,966 812   | 580 28                       |            |
| 1192789 CURTISS CANDY REBURKE FAVOR.....  |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 10-19-52 1003598 3010333  |  |  |  | 226 AI DAUGHTERS    | 346                | 12,043 | 3.9         | 469             |                    |              |                              |            |
| AI STUD, 33-03 LISTED, 08-63  |  |  |  | 225 WITH HERD-MATES | 344                | 12,034 | 3.9         | 469             | 15 DIFF.           | 12,769 735-  | 469                          | 11,503 446 |
| STATES- 11,13,14,16,21,22,23,31,32,33,34,35,41,42,43,47,50,51,52,55,61,63,91,92                   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 30 NON-AI DAUGHTERS | 72                 | 11,411 | 3.9         | 441             |                    |              |                              |            |
|   |  |  |  | 28 WITH HERD-MATES  | 69                 | 11,431 | 3.9         | 443             | 13 DIFF.           | 11,786 355-  | 433 10                       |            |
| 1192825 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| AI STUD, 33-03  |  |  |  | 3 AI DAUGHTERS      | 3                  | 12,880 | 3.6         | 468             |                    |              |                              |            |
| STATES- 14,23,32,34,41  |  |  |  | 3 WITH HERD-MATES   | 3                  | 12,880 | 3.6         | 468             | 10 DIFF.           | 13,129 249-  | 491 23-                      | 12,105 440 |
|   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 2 NON-AI DAUGHTERS  | 2                  | 12,555 | 3.8         | 477             |                    |              |                              |            |
|   |  |  |  | 2 WITH HERD-MATES   | 2                  | 12,555 | 3.8         | 477             | 11 DIFF.           | 12,980 425-  | 477                          |            |
| 1192892 KYLAND CASCADE BURKE 9TH.....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 01-09-52 1063862 2606722  |  |  |  | 86 AI DAUGHTERS     | 140                | 11,862 | 3.6         | 429             |                    |              |                              |            |
| AI STUD, 65-02 LISTED, 08-63  |  |  |  | 63 WITH HERD-MATES  | 110                | 12,170 | 3.6         | 443             | 11 DIFF.           | 12,349 179-  | 444 1-                       | 12,002 443 |
| STATES- 34,35,65  |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 5 NON-AI DAUGHTERS  | 12                 | 14,299 | 3.6         | 518             |                    |              |                              |            |
|   |  |  |  | 4 WITH HERD-MATES   | 11                 | 15,447 | 3.6         | 556             | 9 DIFF.            | 13,339 2108  | 495 61                       |            |
| 1193370 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 33  |  |  |  | 5 NON-AI DAUGHTERS  | 5                  | 9,594  | 3.7         | 355             |                    |              |                              |            |
|   |  |  |  | 5 WITH HERD-MATES   | 5                  | 9,594  | 3.7         | 355             | 10 DIFF.           | 12,519 2925- | 474 119-                     |            |
| 1194602 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 31  |  |  |  | 6 NON-AI DAUGHTERS  | 7                  | 15,779 | 3.2         | 511             |                    |              |                              |            |
|   |  |  |  | 6 WITH HERD-MATES   | 7                  | 15,779 | 3.2         | 511             | 9 DIFF.            | 13,155 2624  | 478 33                       |            |
| 1195221 WIS TRADEMARK.....  |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 12-08-52 915940 3111751   |  |  |  | 33 AI DAUGHTERS     | 33                 | 12,840 | 3.7         | 477             |                    |              |                              |            |
| AI STUD, 35-05 LISTED, 08-63  |  |  |  | 33 WITH HERD-MATES  | 33                 | 12,840 | 3.7         | 477             | 12 DIFF.           | 12,962 122-  | 483 6-                       | 12,107 443 |
| STATES- 13,21,23,31,33,35,41,42,43,48,51,73,74,83   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 73 NON-AI DAUGHTERS | 173                | 13,362 | 3.6         | 482             |                    |              |                              |            |
|   |  |  |  | 73 WITH HERD-MATES  | 173                | 13,362 | 3.6         | 482             | 21 DIFF.           | 13,928 566-  | 494 12-                      |            |
| 1195312 NACHES FOREMAN.....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| 08-25-52 1126534 2652551  |  |  |  | 86 AI DAUGHTERS     | 86                 | 15,121 | 3.4         | 518             |                    |              |                              |            |
| AI STUD, 87-01 LISTED, 08-63  |  |  |  | 78 WITH HERD-MATES  | 78                 | 15,285 | 3.4         | 523             | 23 DIFF.           | 13,674 1611  | 492 31                       | 13,653 475 |
| STATES- 82,83,87  |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
|   |  |  |  | 22 NDN-AI DAUGHTERS | 78                 | 17,078 | 3.5         | 602             |                    |              |                              |            |
|   |  |  |  | 22 WITH HERD-MATES  | 74                 | 17,082 | 3.5         | 604             | 5 DIFF.            | 14,017 3065  | 523 81                       |            |
| 1195801 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 21  |  |  |  | 5 NON-AI DAUGHTERS  | 10                 | 12,330 | 3.5         | 436             |                    |              |                              |            |
|   |  |  |  | 5 WITH HERD-MATES   | 10                 | 12,330 | 3.5         | 436             | 42 DIFF.           | 12,586 256-  | 440 4-                       |            |
| 1195831 .....   |  |  |  |                     |                    |        |             |                 |                    |              |                              |            |
| STATES- 55  |  |  |  | 7 NON-AI DAUGHTERS  | 12                 | 9,550  | 3.2         | 308             |                    |              |                              |            |
|   |  |  |  | 7 WITH HERD-MATES   | 11                 | 9,520  | 3.2         | 309             | 17 DIFF.           | 10,199 679-  | 359 50-                      |            |

## SIRE OF OHIA DAUGHTERS

| SIRES OF CHIA DAUGHTERS                          |  |  |  | AV. RECORDS | PRODUCTION OF MILK | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|--|--|--|-------------|--------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| HOLSTEIN   |  |  |  | NUMBER      | LB                 |        |             |                 |                    |            |                   |            |
| 1196260 PABST RAVEN RFBE.....                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 12-20-52 909839 2753399 12 AI DAUGHTERS          |  |  |  | 12          | 9,123              | 3.2    | 295         |                 |                    |            |                   |            |
| AI STUD, 94-01 LISTED, 08-63 12 WITH HERD-MATES  |  |  |  | 12          | 9,123              | 3.2    | 295         | 21              | 10,802             | 375        | 11,229            | 400        |
| STATES- 94                                       |  |  |  |             |                    |        |             | DIFF.           | 1679-              | 80-        |                   |            |
| 1196412 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 5           | NON-AI DAUGHTERS   | 7      | 12,221      | 3.8             | 461                |            |                   |            |
| STATES- 23                                       |  |  |  | 5           | WITH HERD-MATES    | 7      | 12,221      | 3.8             | 461                | 8          | 12,123            | 444        |
|  |  |  |  |             |                    |        |             | DIFF.           | 98                 | 17         |                   |            |
| 1197038 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 5           | NON-AI DAUGHTERS   | 6      | 12,130      | 3.5             | 420                |            |                   |            |
| STATES- 12                                       |  |  |  | 5           | WITH HERD-MATES    | 6      | 12,130      | 3.5             | 420                | 8          | 12,743            | 439        |
|  |  |  |  |             |                    |        |             | DIFF.           | 613-               | 19-        |                   |            |
| 1197095 MCIEBFL SOVEREIGN SUNRISE.....           |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 07-13-52 956899 2721425 1 AI DAUGHTERS           |  |  |  | 1           | 8,910              | 3.7    | 330         |                 |                    |            |                   |            |
| AI STUD, 16-04 LISTED, 08-63 1 WITH HERD-MATES   |  |  |  | 1           | 8,910              | 3.7    | 330         | 4               | 9,520              | 377        | 12,074            | 440        |
| STATES- 11,12,13,14,16,21,52                     |  |  |  |             |                    |        |             | DIFF.           | 610-               | 47-        |                   |            |
|  |  |  |  | 64          | NON-AI DAUGHTERS   | 162    | 13,889      | 4.0             | 559                |            |                   |            |
|  |  |  |  | 60          | WITH HERD-MATES    | 157    | 14,030      | 4.0             | 565                | 13         | 14,228            | 560        |
|  |  |  |  |             |                    |        |             | DIFF.           | 198-               | 5          |                   |            |
| 1197625 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 8           | NON-AI DAUGHTERS   | 8      | 12,338      | 3.7             | 452                |            |                   |            |
| STATES- 23                                       |  |  |  | 8           | WITH HERD-MATES    | 8      | 12,338      | 3.7             | 452                | 6          | 13,499            | 512        |
|  |  |  |  |             |                    |        |             | DIFF.           | 1161-              | 60-        |                   |            |
| 1197955 MAN-O-WAR B F MASTER GYPSIE.....         |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 10-20-52 945462 2296089 7 AI DAUGHTERS           |  |  |  | 7           | 10,999             | 3.6    | 394         |                 |                    |            |                   |            |
| AI STUD, 35-05 LISTED, 08-63 6 WITH HERD-MATES   |  |  |  | 6           | 10,522             | 3.6    | 384         | 9               | 11,750             | 416        | 11,717            | 432        |
| STATES- 35,41,82,87                              |  |  |  |             |                    |        |             | DIFF.           | 1228-              | 32-        |                   |            |
|  |  |  |  | 35          | NON-AI DAUGHTERS   | 92     | 14,912      | 3.7             | 551                |            |                   |            |
|  |  |  |  | 35          | WITH HERD-MATES    | 92     | 14,912      | 3.7             | 551                | 11         | 13,923            | 520        |
|  |  |  |  |             |                    |        |             | DIFF.           | 989                | 31         |                   |            |
| 1197956 KING BESSIE B F RETURN.....              |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 09-05-52 1126982 2863691 66 AI DAUGHTERS         |  |  |  | 74          | 12,032             | 3.8    | 453         |                 |                    |            |                   |            |
| AI STUD, 35-04 LISTED, 08-63 66 WITH HERD-MATES  |  |  |  | 74          | 12,032             | 3.8    | 453         | 15              | 12,917             | 475        | 11,457            | 428        |
| STATES- 21,33,35,41,42,46,57,61,84               |  |  |  |             |                    |        |             | DIFF.           | 885-               | 22-        |                   |            |
|  |  |  |  | 28          | NON-AI DAUGHTERS   | 58     | 12,740      | 3.8             | 479                |            |                   |            |
|  |  |  |  | 28          | WITH HERD-MATES    | 57     | 12,743      | 3.8             | 479                | 19         | 13,640            | 498        |
|  |  |  |  |             |                    |        |             | DIFF.           | 897-               | 19-        |                   |            |
| 1198084 ART-JEN GENERAL PRINCE.....              |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 01-16-53 1101429 3149963 25 NON-AI DAUGHTERS     |  |  |  | 60          | 13,572             | 3.6    | 490         |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63 25 WITH HERD-MATES  |  |  |  | 56          | 13,529             | 3.6    | 488         | 10              | 12,758             | 463        |                   |            |
| STATES- 48                                       |  |  |  |             |                    |        |             | DIFF.           | 771                | 25         |                   |            |
| 1198306 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 5           | NON-AI DAUGHTERS   | 7      | 8,235       | 4.4             | 361                |            |                   |            |
| STATES- 56                                       |  |  |  | 5           | WITH HERD-MATES    | 7      | 8,235       | 4.4             | 361                | 26         | 9,494             | 361        |
|  |  |  |  |             |                    |        |             | DIFF.           | 1259-              |            |                   |            |
| 1198696 GRAY VIEW PIDON CREATOR.....             |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 07-31-52 1094305 3167991 71 AI DAUGHTERS         |  |  |  | 71          | 11,715             | 3.9    | 458         |                 |                    |            |                   |            |
| AI STUD, 41-25 LISTED, 08-63 66 WITH HERD-MATES  |  |  |  | 66          | 11,890             | 3.9    | 464         | 12              | 12,274             | 448        | 11,824            | 457        |
| STATES- 33,35,41,42,64                           |  |  |  |             |                    |        |             | DIFF.           | 384-               | 16         |                   |            |
|  |  |  |  | 23          | NON-AI DAUGHTERS   | 58     | 13,858      | 4.0             | 559                |            |                   |            |
|  |  |  |  | 23          | WITH HERD-MATES    | 57     | 13,881      | 4.0             | 560                | 26         | 14,422            | 539        |
|  |  |  |  |             |                    |        |             | DIFF.           | 541-               | 21         |                   |            |
| 1199077 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 6           | NON-AI DAUGHTERS   | 15     | 21,041      | 3.9             | 824                |            |                   |            |
| STATES- 16,31                                    |  |  |  | 6           | WITH HERD-MATES    | 15     | 21,041      | 3.9             | 824                | 9          | 18,433            | 684        |
|  |  |  |  |             |                    |        |             | DIFF.           | 2608               | 140        |                   |            |
| 1199321 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 5           | NON-AI DAUGHTERS   | 9      | 12,978      | 4.1             | 531                |            |                   |            |
| STATES- 33                                       |  |  |  | 5           | WITH HERD-MATES    | 9      | 12,978      | 4.1             | 531                | 50         | 12,476            | 476        |
|  |  |  |  |             |                    |        |             | DIFF.           | 502                | 55         |                   |            |
| 1199324 SKOKIE BENEFACOR.....                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 05-25-52 1115989 2314452 16 AI DAUGHTERS         |  |  |  | 16          | 13,377             | 3.6    | 481         |                 |                    |            |                   |            |
| AI STUD, 33-03 LISTED, 08-63 15 WITH HERD-MATES  |  |  |  | 15          | 13,545             | 3.6    | 487         | 10              | 13,462             | 488        | 12,254            | 446        |
| STATES- 15,21,23,32,33,35,42,52,55               |  |  |  |             |                    |        |             | DIFF.           | 83                 | 1-         |                   |            |
|  |  |  |  | 10          | NON-AI DAUGHTERS   | 17     | 14,236      | 3.7             | 528                |            |                   |            |
|  |  |  |  | 10          | WITH HERD-MATES    | 17     | 14,236      | 3.7             | 528                | 6          | 12,390            | 463        |
|  |  |  |  |             |                    |        |             | DIFF.           | 1846               | 65         |                   |            |
| 1199659 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 5           | NON-AI DAUGHTERS   | 5      | 12,318      | 3.4             | 423                |            |                   |            |
| STATES- 23                                       |  |  |  | 5           | WITH HERD-MATES    | 5      | 12,318      | 3.4             | 423                | 9          | 12,851            | 491        |
|  |  |  |  |             |                    |        |             | DIFF.           | 533-               | 68-        |                   |            |
| 1199735 .....                                    |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
|  |  |  |  | 5           | NON-AI DAUGHTERS   | 11     | 14,012      | 3.6             | 499                |            |                   |            |
| STATES- 34                                       |  |  |  | 4           | WITH HERD-MATES    | 7      | 13,676      | 3.5             | 483                | 4          | 12,291            | 469        |
|  |  |  |  |             |                    |        |             | DIFF.           | 1385               | 14         |                   |            |
| 1200082 LARNATION ENSIGN MAJOR MADCAP.....       |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 11-06-52 925403 2806672 44 AI DAUGHTERS          |  |  |  | 44          | 12,926             | 3.7    | 472         |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63 41 WITH HERD-MATES  |  |  |  | 41          | 12,898             | 3.7    | 472         | 22              | 13,173             | 483        | 12,003            | 439        |
| STATES- 21,34,55,56,73,82,86,87,91,92,93         |  |  |  |             |                    |        |             | DIFF.           | 275-               | 11-        |                   |            |
|  |  |  |  | 53          | NON-AI DAUGHTERS   | 131    | 15,674      | 3.8             | 599                |            |                   |            |
|  |  |  |  | 52          | WITH HERD-MATES    | 128    | 15,659      | 3.8             | 600                | 10         | 15,531            | 584        |
|  |  |  |  |             |                    |        |             | DIFF.           | 128                | 16         |                   |            |
| 1200702 NEMAH REROYAL CHRIS.....                 |  |  |  |             |                    |        |             |                 |                    |            |                   |            |
| 11-18-52 984799 2823345 496 AI DAUGHTERS         |  |  |  | 620         | 12,379             | 3.7    | 454         |                 |                    |            |                   |            |
| AI STUD, 41-01 LISTED, 08-63 456 WITH HERD-MATES |  |  |  | 568         | 12,418             | 3.7    | 456         | 14              | 12,496             | 451        | 12,094            | 450        |
| STATES- 33,35,41,42,45,46,47                     |  |  |  |             |                    |        |             | DIFF.           | 78-                | 5          |                   |            |
|  |  |  |  | 29          | NON-AI DAUGHTERS   | 67     | 12,322      | 3.6             | 446                |            |                   |            |
|  |  |  |  | 27          | WITH HERD-MATES    | 58     | 12,500      | 3.6             | 453                | 9          | 12,543            | 449        |
|  |  |  |  |             |                    |        |             | DIFF.           | 43-                | 4          |                   |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                   |                     |         | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--|---------------------|---------|------------------------|---------------------|-------------------|
|  |                     | RECORDS | MILK TEST FAT          | AV. MILK FAT        | MILK FAT          |
|  |                     | NUMBER  | L8 % L8                | NUMBER L8 L8        | L8 L8             |
| 1200723 W V U WIN KING ACE.....            |                     |         |                        |                     |                   |
| 02-02-53 901316 2886687                    | 146 AI DAUGHTERS    | 245     | 11,936 3.7 444         |                     |                   |
| AI STUO, 51-02 LISTED, 08-63               | 134 WITH HERD-MATES | 228     | 12,049 3.7 447         | 14 11,666 426       | 12,441 461        |
| STATES- 31,51,52,54                        |                     |         |                        | DIFF. 383 21        |                   |
| 1202125 CHRISTY HOMESTEAD SABER.....       |                     |         |                        |                     |                   |
| 10-27-51 1001768 3108978                   | 18 AI DAUGHTERS     | 23      | 12,897 3.9 499         |                     |                   |
| AI STUO, 35-01 LISTED, 08-63               | 18 WITH HERD-MATES  | 23      | 12,897 3.9 499         | 7 13,282 496        | 11,973 449        |
| STATES- 35                                 |                     |         |                        | DIFF. 385- 3        |                   |
|  | 4 NDN-AI DAUGHTERS  | 11      | 15,853 4.0 636         |                     |                   |
|  | 4 WITH HERD-MATES   | 10      | 15,827 4.0 635         | 3 15,478 566        |                   |
|  |                     |         |                        | DIFF. 349 69        |                   |
| 1202148 .....                              |                     |         |                        |                     |                   |
|  | 5 NDN-AI DAUGHTERS  | 10      | 11,484 3.7 427         |                     |                   |
| STATES- 41                                 | 5 WITH HERD-MATES   | 10      | 11,484 3.7 427         | 11 12,218 443       |                   |
|  |                     |         |                        | DIFF. 734- 16-      |                   |
| 1202162 .....                              |                     |         |                        |                     |                   |
|  | 5 NDN-AI DAUGHTERS  | 9       | 12,164 3.4 418         |                     |                   |
| STATES- 21                                 | 4 WITH HERD-MATES   | 8       | 12,967 3.3 434         | 16 14,231 492       |                   |
|  |                     |         |                        | DIFF. 1264- 58-     |                   |
| 1202275 JOHANNA LDCHINVAR PRINCE.....      |                     |         |                        |                     |                   |
| 05-03-52 915469 2417587                    | 264 AI DAUGHTERS    | 380     | 12,041 3.9 475         |                     |                   |
| AI STUO, 33-03 LISTED, 08-63               | 263 WITH HERD-MATES | 379     | 12,030 3.9 474         | 15 12,742 470       | 11,517 451        |
| STATES- 11,12,13,14,16,21,22,              |                     |         |                        | DIFF. 712- 4        |                   |
| 23,31,32,33,34,35,41,42,46,47,             | 12 NDN-AI DAUGHTERS | 40      | 12,614 3.9 494         |                     |                   |
| 48,50,51,52,55,64,84,87,91,92              | 12 WITH HERD-MATES  | 40      | 12,614 3.9 494         | 7 11,934 432        |                   |
|  |                     |         |                        | DIFF. 680 62        |                   |
| 1202434 CHRISTY HIGHBOY 8ILL.....          |                     |         |                        |                     |                   |
| 02-18-53 1178739 3108981                   | 61 AI DAUGHTERS     | 99      | 12,853 3.6 465         |                     |                   |
| AI STUO, 35-03 LISTED, 08-63               | 58 WITH HERD-MATES  | 96      | 12,740 3.6 462         | 13 12,999 473       | 11,993 437        |
| STATES- 16,32,35,56                        |                     |         |                        | DIFF. 259- 11-      |                   |
|  | 11 NDN-AI DAUGHTERS | 36      | 14,748 3.6 530         |                     |                   |
|  | 11 WITH HERD-MATES  | 35      | 14,850 3.6 534         | 15 14,207 496       |                   |
|  |                     |         |                        | DIFF. 643 38        |                   |
| 1202814 WEBER ADMIRAL BURKE SEGIS LAD..... |                     |         |                        |                     |                   |
| 01-01-53 882933 2072029                    | 48 NDN-AI DAUGHTERS | 118     | 13,577 3.8 516         |                     |                   |
| AI STUO, 31-01 LISTED, 08-63               | 48 WITH HERD-MATES  | 117     | 13,574 3.8 516         | 23 14,069 513       |                   |
| STATES- 21,31,32,33,35,57,74,              |                     |         |                        | DIFF. 495- 3        |                   |
| 86,87                                      |                     |         |                        |                     |                   |
| 1202947 LOS RDBLES PEPPER JD BURKE.....    |                     |         |                        |                     |                   |
| 10-27-52 892265 2659005                    | 86 AI DAUGHTERS     | 102     | 13,312 3.5 463         |                     |                   |
| AI STUO, 72-01 LISTED, 08-63               | 82 WITH HERD-MATES  | 96      | 13,424 3.5 465         | 24 13,460 486       | 12,219 429        |
| STATES- 92,93                              |                     |         |                        | DIFF. 36- 21-       |                   |
|  | 9 NUN-AI DAUGHTERS  | 12      | 14,091 3.4 477         |                     |                   |
|  | 7 WITH HERD-MATES   | 10      | 13,830 3.4 477         | 45 13,110 488       |                   |
|  |                     |         |                        | DIFF. 720 11-       |                   |
| 1202952 .....                              |                     |         |                        |                     |                   |
|  | 7 NDN-AI DAUGHTERS  | 7       | 13,037 3.7 482         |                     |                   |
| STATES- 63                                 | 7 WITH HERD-MATES   | 7       | 13,037 3.7 482         | 12 13,977 514       |                   |
|  |                     |         |                        | DIFF. 940- 32-      |                   |
| 1203045 BRIGLEN MASTERSTROKE.....          |                     |         |                        |                     |                   |
| 10-20-52 892522 3268005                    | 1 AI DAUGHTERS      | 1       | 9,390 3.3 306          |                     |                   |
| AI STUO, 16-04 LISTED, 08-63               | 1 WITH HERD-MATES   | 1       | 9,390 3.3 306          | 1 10,355 368        | 12,055 439        |
| STATES- 11,13,14,16                        |                     |         |                        | DIFF. 965- 62-      |                   |
|  | 33 NDN-AI DAUGHTERS | 67      | 13,753 3.8 526         |                     |                   |
|  | 32 WITH HERD-MATES  | 65      | 13,849 3.8 531         | 17 14,122 530       |                   |
|  |                     |         |                        | DIFF. 273- 1        |                   |
| 1203114 GRAY VIEW BURKE NDBEL.....         |                     |         |                        |                     |                   |
| 12-12-52 895911 2304541                    | 544 AI DAUGHTERS    | 1012    | 13,109 3.7 488         |                     |                   |
| AI STUO, 33-01 LISTED, 08-63               | 516 WITH HERD-MATES | 960     | 13,151 3.7 488         | 16 12,356 465       | 12,927 468        |
| STATES- 31,32,33,35,42,48,54,              |                     |         |                        | DIFF. 795 23        |                   |
| 55,64                                      |                     |         |                        |                     |                   |
| 1204108 ARJAY GENCEL BURKE LAD-TWIN.....   |                     |         |                        |                     |                   |
| 01-02-53 909945 2738336                    | 12 NDN-AI DAUGHTERS | 21      | 13,459 3.6 481         |                     |                   |
| AI STUO, 35-75 LISTED, 08-63               | 12 WITH HERD-MATES  | 19      | 13,596 3.5 480         | 11 13,817 498       |                   |
| STATES- 45,47,84                           |                     |         |                        | DIFF. 221- 18-      |                   |
| 1204163 WEBER DICTATOR BURKE.....          |                     |         |                        |                     |                   |
| 03-23-51 943293 2104304                    | 45 NDN-AI DAUGHTERS | 100     | 13,414 3.7 490         |                     |                   |
| AI STUO, 93-10 LISTED, 08-63               | 43 WITH HERD-MATES  | 98      | 13,394 3.7 490         | 12 13,744 501       |                   |
| STATES- 22,34,35,41,42,48,57,              |                     |         |                        | DIFF. 350- 11-      |                   |
| 87   |                     |         |                        |                     |                   |
| 1204515 ZFLDENRUST MASTER-STROKE.....      |                     |         |                        |                     |                   |
| 01-03-53 1028260 2649418                   | 314 AI DAUGHTERS    | 681     | 12,413 3.8 468         |                     |                   |
| AI STUO, 23-05 LISTED, 08-63               | 311 WITH HERD-MATES | 668     | 12,428 3.8 468         | 12 12,605 472       | 12,010 443        |
| STATES- 14,21,23,32                        |                     |         |                        | DIFF. 177- 4-       |                   |
|  | 6 NUN-AI DAUGHTERS  | 15      | 11,512 3.6 412         |                     |                   |
|  | 6 WITH HERD-MATES   | 15      | 11,512 3.6 412         | 10 12,707 460       |                   |
|  |                     |         |                        | DIFF. 1195- 48-     |                   |
| 1204609 .....                              |                     |         |                        |                     |                   |
|  | 5 NDN-AI DAUGHTERS  | 10      | 11,787 3.4 406         |                     |                   |
| STATES- 16,31                              | 5 WITH HERD-MATES   | 10      | 11,787 3.4 406         | 5 12,220 441        |                   |
|  |                     |         |                        | DIFF. 433- 35-      |                   |
| 1204669 USDRNDALF TDNY TY VIC.....         |                     |         |                        |                     |                   |
| 03-14-52 848777 2440783                    | 349 AI DAUGHTERS    | 370     | 12,423 4.0 493         |                     |                   |
| AI STUO, 16-04 LISTED, 08-63               | 333 WITH HERD-MATES | 349     | 12,483 4.0 496         | 20 13,712 510       | 11,107 437        |
| STATES- 11,12,13,14,15,16,21,              |                     |         |                        | DIFF. 1229- 14-     |                   |
| 23   | 34 NDN-AI DAUGHTERS | 92      | 12,728 3.9 493         |                     |                   |
|  | 33 WITH HERD-MATES  | 91      | 12,797 3.9 495         | 9 14,038 510        |                   |
|  |                     |         |                        | DIFF. 1241- 15-     |                   |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN   |    |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | AOJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | FAT L8 |
|--|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 1204701 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 54                                       | 8  | NON-AI DAUGHTERS | 19          | 12,604                | 3.5    | 435         |                 |                    |            |                       |        |
|  | 8  | WITH HERD-MATES  | 18          | 12,559                | 3.5    | 434         | 8               | 12,703             | 439        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 144-               | 5-         |                       |        |
| 1205045 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 12                                       | 5  | NON-AI DAUGHTERS | 5           | 11,818                | 3.8    | 452         |                 |                    |            |                       |        |
|  | 5  | WITH HERD-MATES  | 5           | 11,818                | 3.8    | 452         | 14              | 11,824             | 461        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 6-                 | 9-         |                       |        |
| 1205647 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 55                                       | 6  | NON-AI DAUGHTERS | 11          | 10,368                | 3.4    | 351         |                 |                    |            |                       |        |
|  | 5  | WITH HERD-MATES  | 10          | 10,265                | 3.4    | 344         | 17              | 10,538             | 383        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 273-               | 39-        |                       |        |
| 1206065 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 41                                       | 7  | NON-AI DAUGHTERS | 7           | 13,830                | 3.4    | 465         |                 |                    |            |                       |        |
|  | 4  | WITH HERD-MATES  | 4           | 14,218                | 3.4    | 484         | 2               | 13,105             | 435        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 1113               | 49         |                       |        |
| 1206268 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 35,41,43                                 | 6  | NON-AI DAUGHTERS | 7           | 13,296                | 3.5    | 468         |                 |                    |            |                       |        |
|  | 5  | WITH HERD-MATES  | 6           | 14,403                | 3.5    | 502         | 17              | 13,872             | 505        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 531                | 3-         |                       |        |
| 1206276 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 55                                       | 5  | NON-AI DAUGHTERS | 8           | 9,292                 | 3.8    | 351         |                 |                    |            |                       |        |
|  | 5  | WITH HERD-MATES  | 8           | 9,292                 | 3.8    | 351         | 20              | 11,182             | 367        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 1890-              | 16-        |                       |        |
| 1206550 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 31,32                                    | 6  | NON-AI DAUGHTERS | 16          | 13,522                | 3.8    | 510         |                 |                    |            |                       |        |
|  | 6  | WITH HERD-MATES  | 15          | 13,524                | 3.8    | 510         | 10              | 13,939             | 498        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 415-               | 12         |                       |        |
| 1206797 WINTERTHUR ZEUS ZEUS HERMES.....         |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 12-20-52 931354 2940385 123 AI DAUGHTERS         |    |                  | 274         | 13,794                | 3.7    | 514         |                 |                    |            |                       |        |
| AI STUD, 22-03 LISTED, 08-63 110 WITH HERD-MATES |    |                  | 254         | 13,888                | 3.7    | 515         | 23              | 12,861             | 480        | 13,125                | 479    |
| STATES- 14,15,16,21,22,51                        |    |                  |             |                       |        |             | DIFF.           | 1027               | 35         |                       |        |
| 1206798 WINTERTHUR ZEUS FOBES HUBER.....         |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 12-20-52 931354 2940388 33 NON-AI DAUGHTERS      |    |                  | 67          | 15,573                | 3.9    | 607         |                 |                    |            |                       |        |
| AI STUD, 72-01 LISTED, 08-63 33 WITH HERD-MATES  |    |                  | 67          | 15,573                | 3.9    | 607         | 8               | 15,342             | 568        |                       |        |
| STATES- 21,23,72                                 |    |                  |             |                       |        |             | DIFF.           | 231                | 39         |                       |        |
| 1207528 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 35,41,51                                 | 5  | NON-AI DAUGHTERS | 7           | 10,214                | 3.8    | 387         |                 |                    |            |                       |        |
|  | 4  | WITH HERD-MATES  | 6           | 10,385                | 3.9    | 402         | 18              | 13,248             | 486        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 2863-              | 84-        |                       |        |
| 1207531 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 93                                       | 6  | NON-AI DAUGHTERS | 10          | 14,743                | 3.6    | 527         |                 |                    |            |                       |        |
|  | 6  | WITH HERD-MATES  | 10          | 14,743                | 3.6    | 527         | 42              | 14,985             | 530        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 242-               | 3-         |                       |        |
| 1207693 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 56                                       | 5  | NON-AI DAUGHTERS | 5           | 9,440                 | 3.2    | 299         |                 |                    |            |                       |        |
|  | 5  | WITH HERD-MATES  | 5           | 9,440                 | 3.2    | 299         | 34              | 9,182              | 320        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 258                | 21-        |                       |        |
| 1207770 F P A ADMIRAL LUCIFER AUTOCRAT.....      |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 05-08-52 769170 2587058 307 AI DAUGHTERS         |    |                  | 496         | 13,427                | 3.7    | 502         |                 |                    |            |                       |        |
| AI STUD, 23-02 LISTED, 08-63 302 WITH HERD-MATES |    |                  | 482         | 13,462                | 3.7    | 503         | 12              | 13,384             | 494        | 12,330                | 457    |
| STATES- 13,21,23,54                              |    |                  |             |                       |        |             | DIFF.           | 78                 | 9          |                       |        |
|  | 13 | NON-AI DAUGHTERS | 35          | 13,708                | 3.8    | 518         |                 |                    |            |                       |        |
|  | 9  | WITH HERD-MATES  | 28          | 14,477                | 3.6    | 528         | 8               | 13,268             | 500        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 1209               | 28         |                       |        |
| 1207988 GLEN COVE SUPREME PRIDE.....             |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 01-23-51 1059998 3275375 608 AI DAUGHTERS        |    |                  | 633         | 13,291                | 3.5    | 470         |                 |                    |            |                       |        |
| AI STUD, 21-01 LISTED, 08-63 596 WITH HERD-MATES |    |                  | 618         | 13,310                | 3.5    | 471         | 19              | 13,369             | 483        | 12,198                | 436    |
| STATES- 13,16,21,22,23,56                        |    |                  |             |                       |        |             | DIFF.           | 59-                | 12-        |                       |        |
|  | 71 | NON-AI DAUGHTERS | 125         | 14,161                | 3.5    | 501         |                 |                    |            |                       |        |
|  | 65 | WITH HERD-MATES  | 111         | 14,193                | 3.5    | 503         | 19              | 13,551             | 486        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 642                | 17         |                       |        |
| 1208028 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23,31                                    | 6  | NON-AI DAUGHTERS | 8           | 15,754                | 3.6    | 570         |                 |                    |            |                       |        |
|  | 5  | WITH HERD-MATES  | 6           | 16,053                | 3.7    | 592         | 8               | 14,746             | 537        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 1307               | 55         |                       |        |
| 1208838 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 82,87                                    | 8  | NON-AI DAUGHTERS | 8           | 12,621                | 3.3    | 422         |                 |                    |            |                       |        |
|  | 8  | WITH HERD-MATES  | 8           | 12,621                | 3.3    | 422         | 3               | 12,309             | 412        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 312                | 10         |                       |        |
| 1208855 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 33,41                                    | 5  | NON-AI DAUGHTERS | 17          | 13,975                | 3.8    | 527         |                 |                    |            |                       |        |
|  | 5  | WITH HERD-MATES  | 17          | 13,975                | 3.8    | 527         | 11              | 12,468             | 470        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 1507               | 57         |                       |        |
| 1209531 TIOY BURKE CYCLONE.....                  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 02-01-52 1013415 2683386 43 AI DAUGHTERS         |    |                  | 54          | 13,251                | 3.5    | 469         |                 |                    |            |                       |        |
| AI STUD, 93-01 LISTED, 08-63 42 WITH HERD-MATES  |    |                  | 53          | 13,226                | 3.5    | 469         | 60              | 14,176             | 502        | 11,561                | 423    |
| STATES- 48,93                                    |    |                  |             |                       |        |             | DIFF.           | 950-               | 33-        |                       |        |
|  | 3  | NON-AI DAUGHTERS | 8           | 14,501                | 3.7    | 534         |                 |                    |            |                       |        |
|  | 3  | WITH HERD-MATES  | 7           | 14,659                | 3.7    | 541         | 34              | 14,802             | 535        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 143-               | 6          |                       |        |
| 1209826 .....                                    |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 41,94                                    | 6  | NON-AI DAUGHTERS | 7           | 9,351                 | 4.0    | 370         |                 |                    |            |                       |        |
|  | 4  | WITH HERD-MATES  | 4           | 9,438                 | 4.0    | 378         | 7               | 10,442             | 380        |                       |        |
|  |    |                  |             |                       |        |             | DIFF.           | 1004-              | 2-         |                       |        |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN   | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|--|------------------------|---------------------|---------------|
| REC'DRS MILK TEST FAT                            | AV. MILK FAT           | MILK FAT            | MILK FAT      |
| NUMBER L8 % L8                                   | NUMBER L8 L8           | L8 L8               | L8 L8         |
| 121DD78 AGAIN ATHLDNE ADMIRAL FD8ES.....         |                        |                     |               |
| D7-15-52 1D61894 28D1182 509 AI DAUGHTERS        | 546 12,516 3.8 473     |                     |               |
| AI STUD, 33-D3 LISTED, D8-63 486 WITH HERD-MATES | 519 12,487 3.8 472     | 15 13,187 484       | 11,558 436    |
| STATES- 11,12,13,14,15,16,21,                    |                        | DIFF. 7DD- 12-      |               |
| 22,23,31,32,33,34,35,41,42,43,                   | 9 11,646 3.6 42D       |                     |               |
| 46,47,5D,51,52,54,55,61,63,65,                   | 9 11,646 3.6 42D       | 1D 13,191 468       |               |
| 74,82,84,87,91,92                                |                        | DIFF. 1545- 48-     |               |
| 121D286 RAG APPLE SDVEREIGN TEXAL - TWIN.....    |                        |                     |               |
| D4-D5-53 97711D 2857DD8 8 AI DAUGHTERS           | 8 1D,829 3.8 4D8       |                     |               |
| AI STUD, 31-D1 LISTED, D8-63 6 WITH HERD-MATES   | 6 11,643 3.8 442       | 7 13,254 496        | 11,64D 428    |
| STATES- 21,23,31,74                              |                        | DIFF. 1611- 54-     |               |
|  | 64 NDN-AI DAUGHTERS    |                     |               |
|  | 64 WITH HERD-MATES     | 1D 13,728 512       |               |
|  |                        | DIFF. 262 4-        |               |
| 121D3D3 MEISEGEIER 8AXTER.....                   |                        |                     |               |
| D-19-52 894536 248D285 39 NDN-AI DAUGHTERS       | 90 13,D92 4.D 518      |                     |               |
| AI STUD, 35-D2 LISTED, D8-63 38 WITH HERD-MATES  | 88 13,199 4.D 522      | 8 13,528 53D        |               |
| STATES- 35,41,48                                 |                        | DIFF. 329- 8-       |               |
| 121D6D8 .....                                    |                        |                     |               |
|  | 5 NDN-AI DAUGHTERS     |                     |               |
| STATES- 41,46                                    | 5 WITH HERD-MATES      | 7 12,342 4D9        |               |
|  |                        | DIFF. 1D4- 4        |               |
| 121D938 CDCHHRAN HONEYMAN.....                   |                        |                     |               |
| D3-D1-53 931354 3D14258 42 AI DAUGHTERS          | 43 13,2D6 3.8 497      |                     |               |
| AI STUD, 22-D3 LISTED, D8-63 41 WITH HERD-MATES  | 42 13,220 3.8 498      | 18 13,244 498       | 12,2D2 448    |
| STATES- 12,13,14,16,21,22,23,                    |                        | DIFF. 24- 22-       |               |
| 5D,52  | 66 NDN-AI DAUGHTERS    |                     |               |
|  | 59 WITH HERD-MATES     | 16 13,436 5DD       |               |
|  |                        | DIFF. 695 22        |               |
| 1211D29 .....                                    |                        |                     |               |
|  | 5 NDN-AI DAUGHTERS     |                     |               |
| STATES- 35                                       | 5 WITH HERD-MATES      | 15 13,523 494       |               |
|  |                        | DIFF. 998 36        |               |
| 1211183 WIS RIPPER.....                          |                        |                     |               |
| D6-19-53 933122 2269236 92 AI DAUGHTERS          | 167 12,265 3.7 457     |                     |               |
| AI STUD, 35-D2 LISTED, D8-63 9D WITH HERD-MATES  | 164 12,188 3.7 453     | 12 12,934 47D       | 11,549 432    |
| STATES- 34,35                                    |                        | DIFF. 746- 17-      |               |
| 1211333 ADMIRAL CDMET 21ST.....                  |                        |                     |               |
| D4-28-52 111D594 2631241 33 NDN-AI DAUGHTERS     | 73 12,65D 3.8 484      |                     |               |
| AI STUD, 31-D1 LISTED, D8-63 33 WITH HERD-MATES  | 72 12,643 3.8 484      | 19 13,199 48D       |               |
| STATES- 14,21,33,35,41,5D,51,                    |                        | DIFF. 556- 4        |               |
| 56   |                        |                     |               |
| 1211384 UNH PRESIDENT MARVEL.....                |                        |                     |               |
| D7-13-53 1D71565 2726492 417 AI DAUGHTERS        | 741 13,D27 3.8 489     |                     |               |
| AI STUD, 11-D1 LISTED, D8-63 37D WITH HERD-MATES | 662 13,09D 3.7 490     | 13 12,812 479       | 12,467 457    |
| STATES- 11,12,14,15,21,93                        |                        | DIFF. 278 11        |               |
|  | 1 NDN-AI DAUGHTERS     |                     |               |
|  | 1 WITH HERD-MATES      | 8 11,378 44D        |               |
|  |                        | DIFF. 765 13-       |               |
| 1212173 ELKENDALF DE KDL ICHA8DD.....            |                        |                     |               |
| D-22-52 956D81 25D8336 18 NDN-AI DAUGHTERS       | 31 14,659 3.6 531      |                     |               |
| AI STUD, 35-75 LISTED, D8-63 18 WITH HERD-MATES  | 3D 14,672 3.6 531      | 15 14,174 512       |               |
| STATES- 21,22,23,51                              |                        | DIFF. 498 19        |               |
| 1212343 BURRILANE CRUSADER MADCAP.....           |                        |                     |               |
| D2-18-53 9677D6 23D8553 46 NDN-AI DAUGHTERS      | 91 13,229 3.9 511      |                     |               |
| AI STUD, 93-D5 LISTED, D8-63 34 WITH HERD-MATES  | 72 13,84D 3.9 538      | 16 13,8D2 52D       |               |
| STATES- 82,91,92                                 |                        | DIFF. 38 18         |               |
| 1212395 SHAW'S GOLDEN TIDY FERN SIDE.....        |                        |                     |               |
| D8-D8-53 892522 2586311 480 AI DAUGHTERS         | 841 12,604 3.7 47D     |                     |               |
| AI STUD, 11-D1 LISTED, D8-63 452 WITH HERD-MATES | 787 12,577 3.7 469     | 12 12,632 474       | 12,130 442    |
| STATES- 11,12,13,14,16,23                        |                        | DIFF. 55- 5-        |               |
|  | 5 NDN-AI DAUGHTERS     |                     |               |
|  | 5 WITH HERD-MATES      | 8 11,965 442        |               |
|  |                        | DIFF. 5D4 12        |               |
| 1212662 .....                                    |                        |                     |               |
|  | 5 NDN-AI DAUGHTERS     |                     |               |
| STATES- 63                                       | 5 WITH HERD-MATES      | 16 12,D86 413       |               |
|  |                        | DIFF. 1377- 63-     |               |
| 1213164 WINTERTHUR ZEUS VICTDR ILEX.....         |                        |                     |               |
| D3-21-53 931354 2962833 265 AI DAUGHTERS         | 266 13,365 3.6 486     |                     |               |
| AI STUD, 21-D1 LISTED, D8-63 253 WITH HERD-MATES | 254 13,4D9 3.6 487     | 19 13,962 5D7       | 11,783 431    |
| STATES- 21,23,57                                 |                        | DIFF. 553- 2D-      |               |
|  | 61 NDN-AI DAUGHTERS    |                     |               |
|  | 60 WITH HERD-MATES     | 12 14,275 511       |               |
|  |                        | DIFF. 275- 7-       |               |
| 1213505 .....                                    |                        |                     |               |
|  | 7 NDN-AI DAUGHTERS     |                     |               |
| STATES- 47                                       | 7 WITH HERD-MATES      | 21 13,776 5D6       |               |
|  |                        | DIFF. 418 5-        |               |
| 1213698 DAWNVALE SDVEREIGN ARAB.....             |                        |                     |               |
| D8-26-53 951D58 2841126 35 NDN-AI DAUGHTERS      | 47 15,D54 4.D 599      |                     |               |
| AI STUD, 16-D4 LISTED, D8-63 35 WITH HERD-MATES  | 47 15,D54 4.D 599      | 15 14,854 535       |               |
| STATES- 13,16,21,22,23,51,52,                    |                        | DIFF. 2DD 64        |               |
| 57   |                        |                     |               |
| 121388D PABST PRIME.....                         |                        |                     |               |
| D7-26-53 9D9839 2782414 259 AI DAUGHTERS         | 3D2 12,136 3.7 443     |                     |               |
| AI STUD, 41-25 LISTED, D8-63 255 WITH HERD-MATES | 298 12,153 3.7 444     | 16 12,50D 459       | 11,84D 431    |
| STATES- 21,35,41,42,45,46,52                     |                        | DIFF. 347- 15-      |               |
|  | 36 NDN-AI DAUGHTERS    |                     |               |
|  | 36 WITH HERD-MATES     | 16 14,55D 546       |               |
|  |                        | DIFF. 1D26- 47-     |               |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |                     |                    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|---|---------------------|--------------------|------------------------|---------------------|-------------------|
|   |                     |                    | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|   |                     |                    | NUMBER LB % LB         | NUMBER LB LB        | LB LB             |
| 1213978 .....   |                     |                    |                        |                     |                   |
| STATES- 31  | 6 NON-AI DAUGHTERS  | 8 12,855 3.7 475   |                        |                     |                   |
|   | 5 WITH HERD-MATES   | 6 14,213 3.7 526   |                        | 8 13,852 502        |                   |
|   |                     |                    |                        | DIFF. 361 24        |                   |
| 1213990 LUNDLAND PABST REGAL FOBES.....                     |                     |                    |                        |                     |                   |
| 02-04-53 901195 2400761 127 AI DAUGHTERS                    |                     | 170 13,791 3.8 527 |                        |                     |                   |
| AI STUD, 92-01 LISTED, 08-63 125 WITH HERD-MATES            |                     | 166 13,831 3.8 529 |                        | 22 13,705 502       | 12,393 474        |
| STATES- 81,91,92  |                     |                    |                        | DIFF. 126 27        |                   |
|   | 18 NON-AI DAUGHTERS | 37 12,736 4.0 511  |                        |                     |                   |
|   | 15 WITH HERD-MATES  | 33 12,498 4.0 495  |                        | 12 12,497 473       |                   |
|   |                     |                    |                        | DIFF. 1 22          |                   |
| 1214027 MEADOW ORMSBY FOBES LAD.....                        |                     |                    |                        |                     |                   |
| 10-08-52 1056882 2472289 5 AI DAUGHTERS                     |                     | 5 10,432 3.7 381   |                        |                     |                   |
| AI STUD, 41-01 LISTED, 08-63 5 WITH HERD-MATES              |                     | 5 10,432 3.7 381   |                        | 9 11,479 411        | 11,812 434        |
| STATES- 35,41,42,45   |                     |                    |                        | DIFF. 1047- 30-     |                   |
|   | 27 NON-AI DAUGHTERS | 66 13,654 3.6 491  |                        |                     |                   |
|   | 27 WITH HERD-MATES  | 64 13,625 3.6 490  |                        | 10 13,295 475       |                   |
|   |                     |                    |                        | DIFF. 330 15        |                   |
| 1214152 PUGET SOUND ADMIRAL.....                            |                     |                    |                        |                     |                   |
| 02-08-53 1175596 2753139 118 AI DAUGHTERS                   |                     | 118 12,574 3.7 466 |                        |                     |                   |
| AI STUD, 35-75 LISTED, 08-63 116 WITH HERD-MATES            |                     | 116 12,614 3.7 467 |                        | 16 12,756 469       | 12,063 444        |
| STATES- 21,23,33,34,35,41,42, 47,48,57,61,74,81,82,87,91,92 |                     |                    |                        | DIFF. 142- 2-       |                   |
|   | 20 NON-AI DAUGHTERS | 50 14,634 3.7 541  |                        |                     |                   |
|   | 20 WITH HERD-MATES  | 49 14,683 3.7 543  |                        | 13 13,954 516       |                   |
|   |                     |                    |                        | DIFF. 729 27        |                   |
| 1214317 JOHANNA CANARY PABST ORMSBY.....                    |                     |                    |                        |                     |                   |
| 11-20-52 938770 2669674 91 AI DAUGHTERS                     |                     | 113 13,517 3.7 498 |                        |                     |                   |
| AI STUD, 35-02 LISTED, 08-63 89 WITH HERD-MATES             |                     | 110 13,581 3.7 501 |                        | 14 13,071 475       | 12,667 470        |
| STATES- 22,33,34,35   |                     |                    |                        | DIFF. 510 26        |                   |
|   | 21 NON-AI DAUGHTERS | 67 14,696 3.6 535  |                        |                     |                   |
|   | 21 WITH HERD-MATES  | 65 14,754 3.6 536  |                        | 10 13,425 486       |                   |
|   |                     |                    |                        | DIFF. 1329 50       |                   |
| 1214568 .....   |                     |                    |                        |                     |                   |
| STATES- 51  | 5 NON-AI DAUGHTERS  | 7 9,784 3.9 377    |                        |                     |                   |
|   | 5 WITH HERD-MATES   | 7 9,784 3.9 377    |                        | 15 9,642 382        |                   |
|   |                     |                    |                        | DIFF. 142 5-        |                   |
| 1214848 .....   |                     |                    |                        |                     |                   |
| STATES- 50,51   | 5 NON-AI DAUGHTERS  | 6 11,063 3.5 386   |                        |                     |                   |
|   | 5 WITH HERD-MATES   | 5 11,342 3.5 397   |                        | 13 12,512 441       |                   |
|   |                     |                    |                        | DIFF. 1170- 44-     |                   |
| 1214872 .....   |                     |                    |                        |                     |                   |
| STATES- 43  | 5 NON-AI DAUGHTERS  | 9 12,780 3.8 488   |                        |                     |                   |
|   | 5 WITH HERD-MATES   | 9 12,780 3.8 488   |                        | 19 14,214 543       |                   |
|   |                     |                    |                        | DIFF. 1434- 55-     |                   |
| 1215144 TIDY BURKE CYCLONE CRICKET.....                     |                     |                    |                        |                     |                   |
| 01-03-53 1104364 3210736 48 NON-AI DAUGHTERS                |                     | 119 13,263 3.7 485 |                        |                     |                   |
| AI STUD, 23-02 LISTED, 08-63 48 WITH HERD-MATES             |                     | 115 13,230 3.7 484 |                        | 8 12,179 450        |                   |
| STATES- 23  |                     |                    |                        | DIFF. 1051 34       |                   |
| 1215402 COCHRAN GENERAL.....                                |                     |                    |                        |                     |                   |
| 08-14-53 959121 3235970 26 NON-AI DAUGHTERS                 |                     | 37 12,626 4.0 500  |                        |                     |                   |
| AI STUD, 23-08 LISTED, 08-63 25 WITH HERD-MATES             |                     | 36 12,709 3.9 502  |                        | 11 13,778 505       |                   |
| STATES- 21,23,51  |                     |                    |                        | DIFF. 1069- 3-      |                   |
| 1215669 RUSTIC KING COMMANDER.....                          |                     |                    |                        |                     |                   |
| 08-05-53 1041559 3275100 213 AI DAUGHTERS                   |                     | 374 12,643 3.7 471 |                        |                     |                   |
| AI STUD, 11-01 LISTED, 08-63 195 WITH HERD-MATES            |                     | 342 12,631 3.7 472 |                        | 13 12,718 477       | 12,108 442        |
| STATES- 11  |                     |                    |                        | DIFF. 87- 5-        |                   |
| 1215856 .....   |                     |                    |                        |                     |                   |
| STATES- 32  | 5 NON-AI DAUGHTERS  | 6 12,413 3.4 422   |                        |                     |                   |
|   | 5 WITH HERD-MATES   | 6 12,413 3.4 422   |                        | 15 14,222 544       |                   |
|   |                     |                    |                        | DIFF. 1809- 122-    |                   |
| 1215995 ATBITH TY VIC KING JASON.....                       |                     |                    |                        |                     |                   |
| 11-25-52 923749 2790993 338 AI DAUGHTERS                    |                     | 736 12,686 3.9 490 |                        |                     |                   |
| AI STUD, 31-01 LISTED, 08-63 315 WITH HERD-MATES            |                     | 698 12,753 3.9 492 |                        | 15 12,417 466       | 12,484 471        |
| STATES- 33,35,41,42,48,54,55, 64                            |                     |                    |                        | DIFF. 336 26        |                   |
|   | 4 NON-AI DAUGHTERS  | 7 14,065 3.7 514   |                        |                     |                   |
|   | 4 WITH HERD-MATES   | 7 14,065 3.7 514   |                        | 8 12,352 448        |                   |
|   |                     |                    |                        | DIFF. 1713 66       |                   |
| 1216053 .....   |                     |                    |                        |                     |                   |
| STATES- 41  | 5 NON-AI DAUGHTERS  | 8 14,813 3.6 537   |                        |                     |                   |
|   | 5 WITH HERD-MATES   | 8 14,813 3.6 537   |                        | 11 14,254 485       |                   |
|   |                     |                    |                        | DIFF. 559 52        |                   |
| 1216136 MANCRYCO ROYAL DUKF.....                            |                     |                    |                        |                     |                   |
| 06-04-53 1150949 2822217 49 NON-AI DAUGHTERS                |                     | 94 12,914 3.8 490  |                        |                     |                   |
| AI STUD, 35-05 LISTED, 08-63 49 WITH HERD-MATES             |                     | 93 12,894 3.8 489  |                        | 22 12,525 477       |                   |
| STATES- 35,42,45,47   |                     |                    |                        | DIFF. 369 12        |                   |
| 1216248 .....   |                     |                    |                        |                     |                   |
| STATES- 64,65   | 6 NON-AI DAUGHTERS  | 6 11,183 3.4 382   |                        |                     |                   |
|   | 6 WITH HERD-MATES   | 6 11,183 3.4 382   |                        | 11 10,708 390       |                   |
|   |                     |                    |                        | DIFF. 475 8-        |                   |
| 1216567 BUDD FARM MASTER DUKE.....                          |                     |                    |                        |                     |                   |
| 05-19-53 1125174 2017792 621 AI DAUGHTERS                   |                     | 805 12,341 4.0 491 |                        |                     |                   |
| AI STUD, 42-02 LISTED, 08-63 599 WITH HERD-MATES            |                     | 781 12,336 4.0 490 |                        | 13 12,686 464       | 11,846 471        |
| STATES- 21,32,33,35,41,42,43, 47,48,64,73,74,84             |                     |                    |                        | DIFF. 350- 26       |                   |
|   | 7 NON-AI DAUGHTERS  | 20 13,218 4.0 530  |                        |                     |                   |
|   | 7 WITH HERD-MATES   | 20 13,218 4.0 530  |                        | 13 12,730 455       |                   |
|   |                     |                    |                        | DIFF. 488 75        |                   |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN |  |      |                  |      | AV. PRODUCTION OF | ADJ. HERO-MATES | AV. PREOICTED | AV. |
|----------|--|------|------------------|------|-------------------|-----------------|---------------|-----|
|          |  |      |                  |      | RECORDS           | AV. MILK        | MILK          | FAT |
|          |  |      |                  |      | NUMBER            | L8              | L8            | L8  |
|          |  |      |                  |      |                   |                 |               |     |
| 1216668  | POESTENKILL MOOEL DRMSBY.....              |      |                  |      |                   |                 |               |     |
| 07-07-53 | 1148993 3043657                            | 28   | NON-AI DAUGHTERS | 34   | 14,101            | 3.6             | 508           |     |
| AI STUO, | 35-75 LISTED, 08-63                        | 28   | WITH HERD-MATES  | 34   | 14,101            | 3.6             | 508           |     |
| STATES-  | 14,21,87                                   |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1216873  | ROLLING KNOLL SUPREME.....                 |      |                  |      |                   |                 |               |     |
| 04-13-53 | 976710 2356177                             | 27   | AI DAUGHTERS     | 27   | 12,034            | 3.7             | 446           |     |
| AI STUO, | 51-02 LISTED, 08-63                        | 27   | WITH HERD-MATES  | 27   | 12,034            | 3.7             | 446           |     |
| STATES-  | 23,50,51,52,55,56                          |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
|          |  | 25   | NON-AI DAUGHTERS | 62   | 14,053            | 3.8             | 533           |     |
|          |  | 25   | WITH HERD-MATES  | 62   | 14,053            | 3.8             | 533           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1216900  | .....                                      |      |                  |      |                   |                 |               |     |
|          |  | 5    | NON-AI DAUGHTERS | 7    | 16,815            | 3.4             | 579           |     |
| STATES-  | 31,32,35                                   | 5    | WITH HERD-MATES  | 6    | 16,390            | 3.4             | 564           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1216909  | CURTISS CANOY PROUD NORSEMAN.....          |      |                  |      |                   |                 |               |     |
| 10-06-53 | 1056882 3010333                            | 374  | AI DAUGHTERS     | 621  | 12,518            | 3.8             | 476           |     |
| AI STUO, | 33-03 LISTED, 08-63                        | 356  | WITH HERD-MATES  | 599  | 12,625            | 3.8             | 479           |     |
| STATES-  | 11,13,14,15,16,21,22,                      |      |                  |      |                   |                 |               |     |
|          | 23,31,32,33,34,35,41,42,43,45,             | 6    | NON-AI DAUGHTERS | 18   | 12,602            | 3.8             | 479           |     |
|          | 46,47,48,50,51,52,54,73,74,82,             | 6    | WITH HERD-MATES  | 18   | 12,602            | 3.8             | 479           |     |
|          | 87,92                                      |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1216957  | JESS PA8ST LEADER.....                     |      |                  |      |                   |                 |               |     |
| 09-06-53 | 915940 2987495                             | 1646 | AI DAUGHTERS     | 2699 | 13,199            | 3.8             | 497           |     |
| AI STUO, | 33-03 LISTED, 08-63                        | 1608 | WITH HERD-MATES  | 2644 | 13,227            | 3.8             | 498           |     |
| STATES-  | 11,12,13,14,15,16,21,                      |      |                  |      |                   |                 |               |     |
|          | 22,23,31,32,33,34,35,41,42,43,             |      |                  |      |                   |                 |               |     |
|          | 46,47,48,50,51,52,54,55,57,61,             |      |                  |      |                   |                 |               |     |
|          | 63,64,71,73,82,84,87,91,92,94              |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1217138  | .....                                      |      |                  |      |                   |                 |               |     |
|          |  | 5    | NON-AI DAUGHTERS | 5    | 13,030            | 3.5             | 450           |     |
| STATES-  | 23,51                                      | 5    | WITH HERD-MATES  | 5    | 13,030            | 3.5             | 450           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1217478  | MEADOW SPRINGS BARON AIM.....              |      |                  |      |                   |                 |               |     |
| 06-13-53 | 1127032 2630850                            | 33   | NON-AI DAUGHTERS | 64   | 15,522            | 3.9             | 604           |     |
| AI STUO, | 51-02 LISTED, 08-63                        | 33   | WITH HERD-MATES  | 63   | 15,526            | 3.9             | 603           |     |
| STATES-  | 23,51,52,55,61                             |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1217611  | SIR KILLY8RACKEN ENCORE PUNCH.....         |      |                  |      |                   |                 |               |     |
| 07-20-53 | 1089999 2993544                            | 24   | NON-AI DAUGHTERS | 58   | 13,854            | 3.7             | 512           |     |
| AI STUO, | 35-75 LISTED, 08-63                        | 23   | WITH HERD-MATES  | 57   | 13,669            | 3.7             | 506           |     |
| STATES-  | 33,48,56,64,74                             |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1217977  | .....                                      |      |                  |      |                   |                 |               |     |
|          |  | 6    | NON-AI DAUGHTERS | 7    | 11,490            | 3.9             | 449           |     |
| STATES-  | 13   | 5    | WITH HERD-MATES  | 6    | 12,548            | 3.9             | 493           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1218082  | .....                                      |      |                  |      |                   |                 |               |     |
|          |  | 5    | NON-AI DAUGHTERS | 9    | 11,136            | 3.6             | 404           |     |
| STATES-  | 11   | 5    | WITH HERD-MATES  | 9    | 11,136            | 3.6             | 404           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1218293  | LAKEFIELD FOBES BARON.....                 |      |                  |      |                   |                 |               |     |
| 07-01-53 | 1005816 3122129                            | 369  | AI DAUGHTERS     | 697  | 12,816            | 3.6             | 460           |     |
| AI STUO, | 61-01 LISTED, 08-63                        | 337  | WITH HERD-MATES  | 644  | 12,867            | 3.6             | 463           |     |
| STATES-  | 23,31,32,33,61,63                          |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1218298  | LAKEFIELD FOND DELIGHT FOBES.....          |      |                  |      |                   |                 |               |     |
| 11-24-53 | 1179748 3232651                            | 52   | NON-AI DAUGHTERS | 66   | 13,740            | 3.7             | 508           |     |
| AI STUO, | 23-04 LISTED, 08-63                        | 52   | WITH HERD-MATES  | 65   | 13,713            | 3.7             | 506           |     |
| STATES-  | 12,13,14,16,21,23,32,                      |      |                  |      |                   |                 |               |     |
|          | 33,34,35,51,56                             |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1218949  | ELMER BROOK AUTOCRAT HOMESTEAD -TWIN-..... |      |                  |      |                   |                 |               |     |
| 07-02-53 | 1119383 2920471                            | 86   | AI DAUGHTERS     | 127  | 12,238            | 3.7             | 453           |     |
| AI STUO, | 41-25 LISTED, 08-63                        | 86   | WITH HERD-MATES  | 127  | 12,238            | 3.7             | 453           |     |
| STATES-  | 42   |      |                  |      |                   |                 |               |     |
|          |  | 20   | NON-AI DAUGHTERS | 43   | 13,579            | 3.8             | 511           |     |
|          |  | 20   | WITH HERD-MATES  | 41   | 13,654            | 3.7             | 511           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1219219  | WOLVERINE IDEAL FOEN REPEAT.....           |      |                  |      |                   |                 |               |     |
| 08-22-53 | 1071346 3021839                            | 8    | NON-AI DAUGHTERS | 15   | 10,888            | 3.6             | 387           |     |
|          | LISTED, 08-63                              | 8    | WITH HERD-MATES  | 15   | 10,888            | 3.6             | 387           |     |
| STATES-  | 34   |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1220204  | CLOVERBROOK PIETERTJE REGAL.....           |      |                  |      |                   |                 |               |     |
| 08-16-53 | 1131139 2791963                            | 130  | AI DAUGHTERS     | 143  | 12,751            | 3.6             | 462           |     |
| AI STUO, | 42-02 LISTED, 08-63                        | 130  | WITH HERD-MATES  | 142  | 12,732            | 3.6             | 461           |     |
| STATES-  | 35,41,42                                   |      |                  |      |                   |                 |               |     |
|          |  | 26   | NON-AI DAUGHTERS | 68   | 15,224            | 3.7             | 557           |     |
|          |  | 26   | WITH HERD-MATES  | 65   | 15,240            | 3.7             | 557           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1220409  | .....                                      |      |                  |      |                   |                 |               |     |
|          |  | 6    | NON-AI DAUGHTERS | 8    | 11,161            | 3.8             | 428           |     |
| STATES-  | 52   | 6    | WITH HERD-MATES  | 8    | 11,161            | 3.8             | 428           |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1220707  | ELKHART ROAMER LAO.....                    |      |                  |      |                   |                 |               |     |
| 12-21-53 | 1144623 2800476                            | 33   | NON-AI DAUGHTERS | 86   | 15,079            | 3.9             | 583           |     |
| AI STUO, | 35-75 LISTED, 08-63                        | 33   | WITH HERD-MATES  | 86   | 15,079            | 3.9             | 583           |     |
| STATES-  | 35   |      |                  |      |                   |                 |               |     |
|          |  |      |                  |      |                   |                 |               |     |
| 1220885  | .....                                      |      |                  |      |                   |                 |               |     |
|          |  | 5    | NON-AI DAUGHTERS | 5    | 13,216            | 3.5             | 459           |     |
| STATES-  | 21   | 5    | WITH HERD-MATES  | 5    | 13,216            | 3.5             | 459           |     |
|          |  |      |                  |      |                   |                 |               |     |

## SIRE OF OHIA DAUGHTERS

| SIRE OF COW'S DAMMER                              |  |  |  | AV. RECORDS | PRODUCTION MILK L8                  | OF TEST %  | DAU. FAT L8      | AOJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8  | PREDICTED MILK L8 | AV. FAT L8  |
|---|--|--|--|-------------|-------------------------------------|------------|------------------|-----------------|--------------------|-------------|-------------------|-------------|
| HOLSTEIN  |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 1221050 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 13,35,42                                  |  |  |  | 8<br>7      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 14<br>12   | 15,160<br>15,366 | 4.0<br>4.1      | 612<br>626         | 5<br>01FF.  | 12,981<br>2385    | 499<br>127  |
| 1221226 SMOKY HILL WHIRLWIND MARK.....            |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 12-04-53 1068870 3376604                          |  |  |  | 12          | NON-AI DAUGHTERS                    | 24         | 16,407           | 3.6             | 583                |             |                   |             |
| AI STUD, 35-75 LISTED, 08-63                      |  |  |  | 11          | WITH HERD-MATES                     | 22         | 16,603           | 3.5             | 589                | 10<br>DIFF. | 13,317<br>3286    | 495<br>94   |
| STATES- 84  |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 1221484 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 43,48                                     |  |  |  | 6<br>5      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 6<br>5     | 14,728<br>14,246 | 3.6<br>3.7      | 526<br>527         | 19<br>01FF. | 13,796<br>450     | 503<br>24   |
| 1221509 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 11,12                                     |  |  |  | 5<br>5      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 11<br>11   | 13,561<br>13,561 | 3.9<br>3.9      | 528<br>528         | 10<br>DIFF. | 13,249<br>312     | 513<br>15   |
| 1221754 SKOKIE GOLDEN STYLIST.....                |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 04-09-53 1079736 2900034                          |  |  |  | 77          | AI DAUGHTERS                        | 78         | 12,628           | 3.8             | 486                |             |                   |             |
| AI STUD, 22-03 LISTED, 08-63                      |  |  |  | 75          | WITH HERD-MATES                     | 76         | 12,686           | 3.9             | 489                | 26<br>DIFF. | 12,976<br>290-    | 480<br>9    |
| STATES- 16,21,22,23,51                            |  |  |  |             |                                     |            |                  |                 |                    |             |                   | 11,958 455  |
|   |  |  |  | 4<br>4      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 8<br>7     | 10,621<br>10,859 | 3.7<br>3.7      | 397<br>402         | 13<br>DIFF. | 11,990<br>1131-   | 441<br>39-  |
| 1221761 SKOKIE GOLDEN BELL BOY.....               |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 10-23-53 1079736 2878339                          |  |  |  | 250         | AI DAUGHTERS                        | 435        | 13,720           | 3.8             | 519                |             |                   |             |
| AI STUD, 31-02 LISTED, 08-63                      |  |  |  | 237         | WITH HERD-MATES                     | 415        | 13,786           | 3.8             | 522                | 14<br>DIFF. | 12,879<br>907     | 468<br>54   |
| STATES- 16,23,31,32,34,35,41,43,52,54,55,56,74,84 |  |  |  |             |                                     |            |                  |                 |                    |             |                   | 13,067 497  |
| 1221776 LOS ROBLES EMPEROR SEGIS.....             |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 10-02-53 1153094 2803903                          |  |  |  | 44          | NON-AI DAUGHTERS                    | 86         | 16,485           | 3.6             | 597                |             |                   |             |
| AI STUD, 93-01 LISTED, 08-63                      |  |  |  | 40          | WITH HERD-MATES                     | 82         | 16,546           | 3.6             | 598                | 47<br>01FF. | 16,563<br>17-     | 584<br>14   |
| STATES- 61,93                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 1221835 GULLINS-CREST REBURKE DUKE.....           |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 09-10-53 1112211 2939103                          |  |  |  | 8           | AI DAUGHTERS                        | 8          | 14,818           | 3.5             | 514                |             |                   |             |
| AI STUD, 21-01 LISTED, 08-63                      |  |  |  | 8           | WITH HERD-MATES                     | 8          | 14,818           | 3.5             | 514                | 30<br>DIFF. | 13,731<br>1087    | 493<br>21   |
| STATES- 41  |  |  |  |             |                                     |            |                  |                 |                    |             |                   | 12,634 454  |
|   |  |  |  | 39<br>38    | NON-AI DAUGHTERS<br>WITH HERD-MATES | 113<br>112 | 15,744<br>15,840 | 3.4<br>3.4      | 532<br>534         | 13<br>DIFF. | 13,708<br>2132    | 468<br>66   |
| 1221891 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 23  |  |  |  | 5<br>5      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 15<br>15   | 10,756<br>10,756 | 4.0<br>4.0      | 431<br>431         | 17<br>DIFF. | 12,550<br>1794-   | 464<br>33-  |
| 1221917 FIDES PAULINE KORNDYKE BURKE.....         |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 03-13-53 860768 2628734                           |  |  |  | 689         | AI DAUGHTERS                        | 1148       | 12,660           | 3.6             | 455                |             |                   |             |
| AI STUD, 52-01 LISTED, 08-63                      |  |  |  | 642         | WITH HERD-MATES                     | 1078       | 12,742           | 3.6             | 458                | 20<br>01FF. | 12,473<br>269     | 461<br>3-   |
| STATES- 52,55                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   | 12,432 443  |
|   |  |  |  | 8<br>8      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 16<br>15   | 11,615<br>11,565 | 3.6<br>3.6      | 419<br>416         | 13<br>DIFF. | 12,863<br>1298-   | 477<br>61-  |
| 1221938 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 13  |  |  |  | 7<br>6      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 9<br>8     | 14,016<br>14,197 | 3.3<br>3.2      | 459<br>458         | 4<br>01FF.  | 13,138<br>1059    | 448<br>10   |
| 1221949 LAKE RANCH SIR META POSCH KING.....       |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 08-27-52 825106 3100849                           |  |  |  | 28          | AI DAUGHTERS                        | 28         | 14,575           | 3.9             | 574                |             |                   |             |
| AI STUD, 93-01 LISTED, 08-63                      |  |  |  | 10          | WITH HERD-MATES                     | 10         | 14,600           | 3.8             | 560                | 32<br>01FF. | 15,289<br>689-    | 528<br>32   |
| STATES- 93  |  |  |  |             |                                     |            |                  |                 |                    |             |                   | 11,967 462  |
| 1222048 KIL-BAR TREASURE ELM RIOGE.....           |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| 10-07-53 1114547 2896978                          |  |  |  | 132         | AI DAUGHTERS                        | 133        | 12,382           | 3.9             | 484                |             |                   |             |
| AI STUD, 41-25 LISTED, 08-63                      |  |  |  | 127         | WITH HERD-MATES                     | 128        | 12,365           | 3.9             | 483                | 14<br>DIFF. | 12,283<br>82      | 450<br>33   |
| STATES- 33,35,41,45                               |  |  |  |             |                                     |            |                  |                 |                    |             |                   | 12,223 475  |
|   |  |  |  | 22<br>22    | NON-AI DAUGHTERS<br>WITH HERD-MATES | 40<br>40   | 14,939<br>14,939 | 3.9<br>3.9      | 583<br>583         | 10<br>DIFF. | 14,254<br>685     | 528<br>55   |
| 1222108 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 55,56                                     |  |  |  | 6<br>6      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 8<br>8     | 10,023<br>10,023 | 3.6<br>3.6      | 359<br>359         | 18<br>DIFF. | 11,198<br>1175-   | 397<br>38-  |
| 1222188 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 34,91                                     |  |  |  | 9<br>9      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 11<br>11   | 14,317<br>14,317 | 3.9<br>3.9      | 561<br>561         | 7<br>DIFF.  | 13,635<br>682     | 527<br>34   |
| 1222578 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 51  |  |  |  | 5<br>5      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 7<br>7     | 11,647<br>11,647 | 3.5<br>3.5      | 413<br>413         | 13<br>DIFF. | 14,616<br>2969-   | 549<br>136- |
| 1222608 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 32  |  |  |  | 5<br>5      | NON-AI DAUGHTERS<br>WITH HERD-MATES | 6<br>5     | 16,493<br>16,246 | 3.7<br>3.7      | 616<br>604         | 10<br>DIFF. | 14,503<br>1743    | 538<br>66   |
| 1222637 .....                                     |  |  |  |             |                                     |            |                  |                 |                    |             |                   |             |
| STATES- 23  |  |  |  | 11<br>11    | NON-AI DAUGHTERS<br>WITH HERD-MATES | 16<br>15   | 14,096<br>14,126 | 3.7<br>3.7      | 520<br>523         | 10<br>DIFF. | 13,163<br>963     | 474<br>49   |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN       |                                      |     |                  |     | AV. PRODUCTION OF | ADJ. HERO-MATES | AV. PREDICTED AV. |
|----------------|--------------------------------------|-----|------------------|-----|-------------------|-----------------|-------------------|
|                |                                      |     |                  |     | RECORDS           | AV. MILK        | MILK FAT          |
|                |                                      |     |                  |     | NUMBER            | L8              | L8 L8             |
| 1222726        | PABST LEADER COUNT.....              |     |                  |     |                   |                 |                   |
| 10-22-53       | 915940 2933854                       | 134 | AI DAUGHTERS     | 170 | 13,732            | 3.4             | 464               |
| AI STUO, 35-02 | LISTEO, 08-63                        | 131 | WITH HERD-MATES  | 167 | 13,696            | 3.4             | 463               |
| STATES-        | 22,34,35,41,43                       |     |                  |     |                   |                 |                   |
|                |                                      | 31  | NON-AI DAUGHTERS | 94  | 14,073            | 3.5             | 493               |
|                |                                      | 31  | WITH HERD-MATES  | 93  | 14,130            | 3.5             | 495               |
| 1222727        | PABST SIR RAVEN OELL.....            |     |                  |     |                   |                 |                   |
| 10-17-53       | 909839 2404144                       | 344 | AI DAUGHTERS     | 728 | 12,962            | 3.7             | 482               |
| AI STUO, 35-03 | LISTEO, 08-63                        | 343 | WITH HERD-MATES  | 723 | 12,962            | 3.7             | 482               |
| STATES-        | 21,22,23,31,33,34,35,                |     |                  |     |                   |                 |                   |
|                | 41,48,51,52,54,56,61,63,65,71,       |     |                  |     |                   |                 |                   |
|                | 72,74                                |     |                  |     |                   |                 |                   |
| 1222746        | KRO-HOME HOMESTEAD PRINCE.....       |     |                  |     |                   |                 |                   |
| 12-13-52       | 943799 3298352                       | 25  | NON-AI DAUGHTERS | 66  | 11,855            | 3.8             | 448               |
| AI STUO, 63-02 | LISTED, 08-63                        | 25  | WITH HERD-MATES  | 66  | 11,855            | 3.8             | 448               |
| STATES-        | 35,51,55                             |     |                  |     |                   |                 |                   |
| 1222994        | HARDEN FARMS OUK MARK.....           |     |                  |     |                   |                 |                   |
| 11-23-53       | 1112211 3061491                      | 79  | NON-AI DAUGHTERS | 134 | 15,480            | 3.6             | 551               |
| AI STUO, 35-75 | LISTEO, 08-63                        | 78  | WITH HERD-MATES  | 132 | 15,417            | 3.6             | 549               |
| STATES-        | 13,21,23,58                          |     |                  |     |                   |                 |                   |
| 1223243        | WIL-C-WHIT BURKGOV FORBES OAGAN..... |     |                  |     |                   |                 |                   |
| 02-18-53       | 1038509 3140596                      | 222 | AI DAUGHTERS     | 342 | 14,434            | 3.6             | 521               |
| AI STUO, 87-01 | LISTED, 08-63                        | 190 | WITH HERD-MATES  | 297 | 14,668            | 3.6             | 528               |
| STATES-        | 81,82,83,84,87,88                    |     |                  |     |                   |                 |                   |
|                |                                      | 1   | NON-AI DAUGHTERS | 4   | 13,048            | 3.8             | 490               |
|                |                                      | 1   | WITH HERD-MATES  | 4   | 13,048            | 3.8             | 490               |
| 1223375        | B O I SOVGGOVOD JULIAN.....          |     |                  |     |                   |                 |                   |
| 09-17-53       | 977110 2933694                       | 25  | AI DAUGHTERS     | 51  | 12,999            | 3.7             | 484               |
| AI STUO, 91-01 | LISTEO, 08-63                        | 22  | WITH HERD-MATES  | 48  | 13,023            | 3.7             | 487               |
| STATES-        | 55                                   |     |                  |     |                   |                 |                   |
| 1223904        | WINTERHUR EXCEL ALPHA INKLE.....     |     |                  |     |                   |                 |                   |
| 10-15-53       | 1100192 3474858                      | 35  | NON-AI DAUGHTERS | 87  | 14,685            | 3.7             | 546               |
| AI STUO, 52-01 | LISTEO, 08-63                        | 31  | WITH HERD-MATES  | 82  | 14,972            | 3.8             | 563               |
| STATES-        | 52,55                                |     |                  |     |                   |                 |                   |
| 1223921        | BRAUNS SUNNY LEA RAVEN.....          |     |                  |     |                   |                 |                   |
| 07-25-53       | 909839 2791401                       | 3   | AI DAUGHTERS     | 3   | 10,820            | 3.5             | 377               |
| AI STUO, 35-75 | LISTEO, 08-63                        | 2   | WITH HERD-MATES  | 2   | 12,115            | 3.3             | 404               |
| STATES-        | 35,41,46                             |     |                  |     |                   |                 |                   |
|                |                                      | 51  | NON-AI DAUGHTERS | 110 | 13,743            | 3.6             | 500               |
|                |                                      | 46  | WITH HERD-MATES  | 104 | 14,069            | 3.6             | 512               |
| 1223970        | CARNATION MAGIC KID TWIN.....        |     |                  |     |                   |                 |                   |
| 11-30-53       | 1075872 2806672                      | 217 | AI DAUGHTERS     | 332 | 13,791            | 3.5             | 480               |
| AI STUO, 87-01 | LISTEO, 08-63                        | 195 | WITH HERD-MATES  | 296 | 13,799            | 3.5             | 480               |
| STATES-        | 82,83,84,87,88                       |     |                  |     |                   |                 |                   |
| 1224102        | HICKORY CREEK JURYMAN.....           |     |                  |     |                   |                 |                   |
| 10-03-53       | 949159 2769619                       | 18  | NON-AI DAUGHTERS | 36  | 12,993            | 3.6             | 472               |
| AI STUO, 35-02 | LISTEO, 08-63                        | 18  | WITH HERD-MATES  | 36  | 12,993            | 3.6             | 472               |
| STATES-        | 32,64                                |     |                  |     |                   |                 |                   |
| 1224201        | .....                                |     |                  |     |                   |                 |                   |
|                |                                      | 7   | NON-AI DAUGHTERS | 11  | 14,079            | 3.6             | 510               |
| STATES-        | 12,13,14,21                          | 7   | WITH HERD-MATES  | 11  | 14,079            | 3.6             | 510               |
| 1224316        | PABST RAVEN KING.....                |     |                  |     |                   |                 |                   |
| 11-25-53       | 909839 2741075                       | 7   | AI DAUGHTERS     | 7   | 12,367            | 3.7             | 453               |
| AI STUO, 35-02 | LISTEO, 08-63                        | 7   | WITH HERD-MATES  | 7   | 12,367            | 3.7             | 453               |
| STATES-        | 35                                   |     |                  |     |                   |                 |                   |
|                |                                      | 11  | NON-AI DAUGHTERS | 21  | 12,498            | 3.8             | 470               |
|                |                                      | 11  | WITH HERD-MATES  | 21  | 12,498            | 3.8             | 470               |
| 1224799        | .....                                |     |                  |     |                   |                 |                   |
|                |                                      | 10  | NON-AI DAUGHTERS | 11  | 11,977            | 3.5             | 423               |
| STATES-        | 23,52                                | 10  | WITH HERD-MATES  | 11  | 11,977            | 3.5             | 423               |
| 1224837        | S V F MARIO VAR OUTCHLANO.....       |     |                  |     |                   |                 |                   |
| 12-23-53       | 1017797 2872651                      | 102 | AI DAUGHTERS     | 142 | 13,512            | 3.8             | 509               |
| AI STUO, 31-01 | LISTEO, 08-63                        | 98  | WITH HERD-MATES  | 138 | 13,530            | 3.8             | 510               |
| STATES-        | 21,22,23,31,50,51,74                 |     |                  |     |                   |                 |                   |
|                |                                      | 8   | NON-AI DAUGHTERS | 19  | 15,423            | 3.8             | 581               |
|                |                                      | 7   | WITH HERD-MATES  | 18  | 15,869            | 3.7             | 591               |
| 1224894        | BURRILANE CHIEFTAIN.....             |     |                  |     |                   |                 |                   |
| 08-22-53       | 1133486 2090894                      | 24  | AI DAUGHTERS     | 46  | 13,779            | 3.8             | 523               |
| AI STUO, 93-05 | LISTED, 08-63                        | 23  | WITH HERD-MATES  | 45  | 13,762            | 3.8             | 522               |
| STATES-        | 82,91                                |     |                  |     |                   |                 |                   |
| 1224928        | .....                                |     |                  |     |                   |                 |                   |
|                |                                      | 7   | NON-AI DAUGHTERS | 12  | 12,783            | 3.4             | 433               |
| STATES-        | 21                                   | 7   | WITH HERD-MATES  | 12  | 12,783            | 3.4             | 433               |
| 1225575        | BIRCH KNOLL COFFEYDALE PEARL.....    |     |                  |     |                   |                 |                   |
| 09-24-53       | 1029659 2553460                      | 24  | NON-AI DAUGHTERS | 56  | 13,528            | 3.7             | 505               |
| AI STUO, 34-01 | LISTEO, 08-63                        | 24  | WITH HERD-MATES  | 55  | 13,579            | 3.7             | 507               |
| STATES-        | 34                                   |     |                  |     |                   |                 |                   |
| 1225626        | .....                                |     |                  |     |                   |                 |                   |
|                |                                      | 7   | NON-AI DAUGHTERS | 7   | 10,830            | 3.6             | 393               |
| STATES-        | 13                                   | 7   | WITH HERD-MATES  | 7   | 10,830            | 3.6             | 393               |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN   | AV. PRDUCTION OF | DAU.   | ADJ. HERD-MATES | AV. | PREDICTED |
|--|------------------|--------|-----------------|-----|-----------|
|  | RECORDS          | FAT    | AV. MILK        | FAT | MILK      |
|  | NUMBER           | L8     | L8              | L8  | L8        |
| 1225853 SIR HOUTJE OLIVER PAAST.....             |                  |        |                 |     |           |
| 09-01-51 1070036 2481600 172 AI DAUGHTERS        | 252              | 13,182 | 3.8             | 507 |           |
| AI STUD, 35-03 LISTED, 08-63 170 WITH HERD-MATES | 250              | 13,171 | 3.8             | 507 |           |
| STATES- 23,31,33,34,35,54,55, 61,74,87           |                  |        |                 |     |           |
|  | 92               | 15,462 | 3.7             | 573 |           |
|  | 26               | 15,422 | 3.7             | 569 |           |
|  |                  |        |                 |     |           |
| 1225883 LONE ELM DEAN WAYNF.....                 |                  |        |                 |     |           |
| 11-10-53 1109516 2544887 23 NDN-AI DAUGHTERS     | 43               | 12,320 | 3.6             | 443 |           |
| AI STUD, 35-75 LISTED, 08-63 23 WITH HERD-MATES  | 43               | 12,320 | 3.6             | 443 |           |
| STATES- 43                                       |                  |        |                 |     |           |
|  |                  |        |                 |     |           |
| 1226191 .....                                    |                  |        |                 |     |           |
|  | 9                | 9,430  | 3.5             | 328 |           |
| STATES- 33,42                                    | 9                | 9,430  | 3.5             | 328 |           |
|  |                  |        |                 |     |           |
| 1226332 NORTH CAROLINA PROSPECT ED.....          |                  |        |                 |     |           |
| 01-08-54 813911 2615548 18 AI DAUGHTERS          | 45               | 14,593 | 3.7             | 546 |           |
| AI STUD, 55-01 LISTED, 08-63 18 WITH HERD-MATES  | 45               | 14,593 | 3.7             | 546 |           |
| STATES- 55                                       |                  |        |                 |     |           |
|  |                  |        |                 |     |           |
| 1226459 FRASEA SEGIS VROUKA JEWEL.....           |                  |        |                 |     |           |
| 04-23-53 010212300 010618119 31 AI DAUGHTERS     | 31               | 14,165 | 3.8             | 541 |           |
| AI STUD, 91-01 LISTED, 08-63 31 WITH HERD-MATES  | 31               | 14,165 | 3.8             | 541 |           |
| STATES- 81,91                                    |                  |        |                 |     |           |
|  | 49               | 13,711 | 3.8             | 523 |           |
|  | 49               | 13,772 | 3.8             | 525 |           |
|  |                  |        |                 |     |           |
| 1226474 RAVENGLIN ECHO TRIUNE.....               |                  |        |                 |     |           |
| 01-21-53 1050848 3081602 22 AI DAUGHTERS         | 22               | 10,389 | 3.7             | 389 |           |
| AI STUD, 33-02 LISTED, 08-63 20 WITH HERD-MATES  | 20               | 10,422 | 3.7             | 390 |           |
| STATES- 21,32,33,34,58                           |                  |        |                 |     |           |
|  | 45               | 11,987 | 3.7             | 447 |           |
|  | 44               | 12,033 | 3.7             | 448 |           |
|  |                  |        |                 |     |           |
| 1226518 .....                                    |                  |        |                 |     |           |
|  | 5                | 17,190 | 3.2             | 551 |           |
| STATES- 34                                       | 5                | 17,190 | 3.2             | 551 |           |
|  |                  |        |                 |     |           |
| 1226634 .....                                    |                  |        |                 |     |           |
|  | 5                | 10,232 | 3.7             | 377 |           |
| STATES- 41                                       | 4                | 11,293 | 3.6             | 405 |           |
|  |                  |        |                 |     |           |
| 1226862 WIS BLEND.....                           |                  |        |                 |     |           |
| 03-17-54 933122 3111751 52 AI DAUGHTERS          | 52               | 13,725 | 3.6             | 493 |           |
| AI STUD, 31-02 LISTED, 08-63 50 WITH HERD-MATES  | 50               | 13,834 | 3.6             | 495 |           |
| STATES- 31,41,48,55,56,64,73, 74                 |                  |        |                 |     |           |
|  | 40               | 16,562 | 3.5             | 582 |           |
|  | 40               | 16,562 | 3.5             | 582 |           |
|  |                  |        |                 |     |           |
| 1227048 .....                                    |                  |        |                 |     |           |
|  | 5                | 11,458 | 3.4             | 395 |           |
| STATES- 21                                       | 5                | 10,900 | 3.4             | 375 |           |
|  |                  |        |                 |     |           |
| 1227388 .....                                    |                  |        |                 |     |           |
|  | 6                | 15,473 | 3.5             | 537 |           |
| STATES- 22                                       | 6                | 15,473 | 3.5             | 537 |           |
|  |                  |        |                 |     |           |
| 1227449 HOUCKHOLME FOND HDPE PERFECTION.....     |                  |        |                 |     |           |
| 07-22-53 010212300 010632146 12 NDN-AI DAUGHTERS | 29               | 14,033 | 3.4             | 480 |           |
| AI STUD, 63-03 LISTED, 08-63 12 WITH HERD-MATES  | 28               | 14,062 | 3.4             | 481 |           |
| STATES- 56                                       |                  |        |                 |     |           |
|  |                  |        |                 |     |           |
| 1227684 ECRAED BURKE DONALD.....                 |                  |        |                 |     |           |
| 02-20-54 895911 2483902 2 AI DAUGHTERS           | 2                | 10,980 | 3.3             | 362 |           |
| AI STUD, 31-01 LISTED, 08-63 1 WITH HERD-MATES   | 1                | 12,970 | 2.9             | 376 |           |
| STATES- 31,61                                    |                  |        |                 |     |           |
|  | 13               | 13,622 | 3.5             | 475 |           |
|  | 11               | 13,689 | 3.5             | 474 |           |
|  |                  |        |                 |     |           |
| 1227714 ROYAL SUSSEX PROGRESSDR.....             |                  |        |                 |     |           |
| 11-06-53 1169405 3265624 22 AI DAUGHTERS         | 23               | 13,269 | 3.8             | 509 |           |
| AI STUD, 61-01 LISTED, 08-63 21 WITH HERD-MATES  | 22               | 13,585 | 3.8             | 522 |           |
| STATES- 21,22,23,31,50,57                        |                  |        |                 |     |           |
|  | 44               | 14,461 | 3.7             | 534 |           |
|  | 43               | 14,498 | 3.7             | 535 |           |
|  |                  |        |                 |     |           |
| 1227779 PUGET SOUND PRINCE.....                  |                  |        |                 |     |           |
| 01-01-53 1175596 3108953 17 NDN-AI DAUGHTERS     | 43               | 16,237 | 3.4             | 548 |           |
| AI STUD, 31-02 LISTED, 08-63 17 WITH HERD-MATES  | 42               | 16,254 | 3.4             | 549 |           |
| STATES- 31                                       |                  |        |                 |     |           |
|  |                  |        |                 |     |           |
| 1228210 .....                                    |                  |        |                 |     |           |
|  | 6                | 12,413 | 3.7             | 462 |           |
| STATES- 43                                       | 6                | 12,413 | 3.7             | 462 |           |
|  |                  |        |                 |     |           |
| 1228368 ST CROIXCD PARADER.....                  |                  |        |                 |     |           |
| 11-11-53 1171453 3398156 27 NDN-AI DAUGHTERS     | 39               | 16,016 | 3.6             | 580 |           |
| AI STUD, 41-25 LISTED, 08-63 27 WITH HERD-MATES  | 39               | 16,016 | 3.6             | 580 |           |
| STATES- 47                                       |                  |        |                 |     |           |
|  |                  |        |                 |     |           |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                       |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1228468 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 33                                     | 5  | NON-AI DAUGHTERS | 6           | 11,145                | 3.9    | 435         |                 |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 6           | 11,145                | 3.9    | 435         | 8               | 13,003             | 477        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 1858-              | 42-        |                   |            |
| 1228477 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 21                                     | 6  | NON-AI DAUGHTERS | 8           | 14,069                | 3.6    | 501         |                 |                    |            |                   |            |
|  | 4  | WITH HERD-MATES  | 5           | 14,366                | 3.6    | 516         | 9               | 13,900             | 507        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 466                | 9          |                   |            |
| 1228685 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 82                                     | 8  | NON-AI DAUGHTERS | 8           | 16,335                | 4.1    | 671         |                 |                    |            |                   |            |
|  | 7  | WITH HERD-MATES  | 7           | 16,330                | 4.1    | 662         | 3               | 16,206             | 620        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 124                | 42         |                   |            |
| 1229162 BRIGGEN TIDY LAD.....                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-22-54 972500 3018101 238                    |    | AI DAUGHTERS     | 385         | 12,479                | 4.0    | 504         |                 |                    |            |                   |            |
| AI STUD, 12-03 LISTED, 08-63 232               |    | WITH HERD-MATES  | 374         | 12,485                | 4.0    | 505         | 13              | 12,936             | 495        | 11,783            | 458        |
| STATES- 12,13,14,16,21                         |    |                  |             |                       |        |             | DIFF.           | 451-               | 10         |                   |            |
| 1229310 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| AI STUD, 93-03                                 | 2  | AI DAUGHTERS     | 2           | 9,340                 | 3.9    | 366         |                 |                    |            |                   |            |
| STATES- 86,87,93                               | 2  | WITH HERD-MATES  | 2           | 9,340                 | 3.9    | 366         | 18              | 11,523             | 419        | 11,821            | 436        |
|  |    |                  |             |                       |        |             | DIFF.           | 2183-              | 53-        |                   |            |
|  | 4  | NON-AI DAUGHTERS | 4           | 14,003                | 3.5    | 492         |                 |                    |            |                   |            |
|  | 4  | WITH HERD-MATES  | 4           | 14,003                | 3.5    | 492         | 22              | 13,998             | 507        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 5                  | 15-        |                   |            |
| 1229436 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 55                                     | 5  | NON-AI DAUGHTERS | 9           | 11,345                | 3.5    | 402         |                 |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 9           | 11,345                | 3.5    | 402         | 20              | 11,095             | 387        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 250                | 15         |                   |            |
| 1230109 PABST LEADER WALK.....                 |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-26-54 915940 3267356 216                    |    | AI DAUGHTERS     | 397         | 13,447                | 3.6    | 479         |                 |                    |            |                   |            |
| AI STUD, 35-04 LISTED, 08-63 210               |    | WITH HERD-MATES  | 388         | 13,472                | 3.6    | 480         | 13              | 12,850             | 471        | 12,786            | 455        |
| STATES- 14,22,23,33,35,41,42,46,52,54,64,74,85 |    |                  |             |                       |        |             | DIFF.           | 622                | 9          |                   |            |
| 1230164 RENSINK REGAL PRIMROSE.....            |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-12-53 1139172 2957577 3                     |    | AI DAUGHTERS     | 3           | 10,953                | 3.7    | 403         |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63 3                 |    | WITH HERD-MATES  | 3           | 10,953                | 3.7    | 403         | 8               | 11,523             | 427        | 12,009            | 439        |
| STATES- 41,42,55,64                            |    |                  |             |                       |        |             | DIFF.           | 570-               | 24-        |                   |            |
|  | 30 | NON-AI DAUGHTERS | 54          | 14,391                | 3.6    | 522         |                 |                    |            |                   |            |
|  | 29 | WITH HERD-MATES  | 53          | 14,342                | 3.6    | 521         | 12              | 14,632             | 520        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 290-               | 1          |                   |            |
| 1230486 BIG ROCK BURKE TEDDY.....              |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-06-53 920915 3241217 681                    |    | AI DAUGHTERS     | 1220        | 13,591                | 3.6    | 492         |                 |                    |            |                   |            |
| AI STUD, 23-04 LISTED, 08-63 676               |    | WITH HERD-MATES  | 1207        | 13,596                | 3.6    | 492         | 13              | 13,264             | 499        | 12,571            | 442        |
| STATES- 21,23,51                               |    |                  |             |                       |        |             | DIFF.           | 332                | 7-         |                   |            |
|  | 10 | NON-AI DAUGHTERS | 30          | 12,744                | 3.6    | 463         |                 |                    |            |                   |            |
|  | 10 | WITH HERD-MATES  | 30          | 12,744                | 3.6    | 463         | 10              | 12,402             | 472        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 342                | 9-         |                   |            |
| 1230641 POLYTECHNIC IDEAL VICTOR.....          |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-19-54 988912 2847924 24                     |    | AI DAUGHTERS     | 28          | 13,179                | 3.6    | 481         |                 |                    |            |                   |            |
| AI STUD, 87-01 LISTED, 08-63 23                |    | WITH HERD-MATES  | 25          | 13,278                | 3.6    | 482         | 14              | 13,873             | 494        | 11,861            | 439        |
| STATES- 02,83,87                               |    |                  |             |                       |        |             | DIFF.           | 595-               | 12-        |                   |            |
|  | 8  | NON-AI DAUGHTERS | 20          | 13,102                | 3.6    | 474         |                 |                    |            |                   |            |
|  | 8  | WITH HERD-MATES  | 20          | 13,102                | 3.6    | 474         | 12              | 14,211             | 491        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 1109-              | 17-        |                   |            |
| 1230701 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 74                                     | 5  | NON-AI DAUGHTERS | 7           | 12,532                | 3.7    | 460         |                 |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 7           | 12,532                | 3.7    | 460         | 25              | 12,262             | 442        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 270                | 18         |                   |            |
| 1231051 THE DUKE ZELDENRUST.....               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-02-53 924264 2645677 40                     |    | NON-AI DAUGHTERS | 72          | 11,800                | 3.8    | 443         |                 |                    |            |                   |            |
| AI STUD, 34-01 LISTED, 08-63 39                |    | WITH HERD-MATES  | 71          | 11,923                | 3.8    | 448         | 15              | 12,223             | 440        |                   |            |
| STATES- 13,21,32,33,34,51,54                   |    |                  |             |                       |        |             | DIFF.           | 300-               | 8          |                   |            |
| 1231066 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| AI STUD, 43-02                                 | 3  | AI DAUGHTERS     | 3           | 12,810                | 3.5    | 454         |                 |                    |            |                   |            |
| STATES- 43,47,92                               | 3  | WITH HERD-MATES  | 3           | 12,810                | 3.5    | 454         | 14              | 12,896             | 459        | 12,133            | 443        |
|  |    |                  |             |                       |        |             | DIFF.           | 86-                | 5-         |                   |            |
|  | 4  | NON-AI DAUGHTERS | 10          | 12,070                | 3.9    | 467         |                 |                    |            |                   |            |
|  | 4  | WITH HERD-MATES  | 10          | 12,070                | 3.9    | 467         | 25              | 13,764             | 493        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 1694-              | 26-        |                   |            |
| 1231605 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23                                     | 5  | NON-AI DAUGHTERS | 10          | 11,653                | 3.9    | 449         |                 |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 10          | 11,653                | 3.9    | 449         | 22              | 13,090             | 495        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 1437-              | 46-        |                   |            |
| 1231638 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23,31,34                               | 5  | NON-AI DAUGHTERS | 5           | 13,864                | 3.6    | 498         |                 |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 5           | 13,864                | 3.6    | 498         | 15              | 14,618             | 526        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 754-               | 28-        |                   |            |
| 1231680 .....                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 43                                     | 7  | NON-AI DAUGHTERS | 7           | 10,079                | 3.7    | 375         |                 |                    |            |                   |            |
|  | 7  | WITH HERD-MATES  | 7           | 10,079                | 3.7    | 375         | 4               | 10,007             | 363        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 72                 | 12         |                   |            |
| 1231982 HUODS CHERRY HILL CHARLO.....          |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-20-54 1017797 2617563 61                    |    | NON-AI DAUGHTERS | 120         | 14,465                | 3.7    | 542         |                 |                    |            |                   |            |
| AI STUD, 16-04 LISTED, 08-63 61                |    | WITH HERD-MATES  | 120         | 14,465                | 3.7    | 542         | 59              | 13,779             | 522        |                   |            |
| STATES- 11,12,13,14,16,21                      |    |                  |             |                       |        |             | DIFF.           | 686                | 20         |                   |            |
| 1232004 CLANYARD AD VIC LARRY.....             |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-24-53 1152351 2845888 235                   |    | AI DAUGHTERS     | 309         | 11,641                | 3.8    | 440         |                 |                    |            |                   |            |
| AI STUD, 41-01 LISTED, 08-63 228               |    | WITH HERD-MATES  | 299         | 11,686                | 3.8    | 442         | 19              | 12,554             | 453        | 11,350            | 434        |
| STATES- 33,41,42,45,46,54,56                   |    |                  |             |                       |        |             | DIFF.           | 868-               | 11-        |                   |            |
|  | 25 | NON-AI DAUGHTERS | 57          | 11,333                | 3.8    | 435         |                 |                    |            |                   |            |
|  | 25 | WITH HERD-MATES  | 56          | 11,337                | 3.8    | 435         | 14              | 12,498             | 463        |                   |            |
|  |    |                  |             |                       |        |             | DIFF.           | 1161-              | 28-        |                   |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |     |                  |     |        | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|-----|------------------|-----|--------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1232009 CLANYARD VICKING DRIVER.....                          |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 12-24-53 923749 2905996                                       | 147 | AI DAUGHTERS     | 250 | 11,603 | 3.9         | 453                   |        |             |                 |                    |            |                   |            |
| AI STUD, 33-01 LISTED, 08-63                                  | 143 | WITH HERD-MATES  | 243 | 11,579 | 3.9         | 452                   |        |             | 19              | 12,610             | 472        | 11,230            | 428        |
| STATES- 33,35,55  |     |                  |     |        |             |                       |        |             | DIFF.           | 1031-              | 20-        |                   |            |
|   | 1   | NDN-AI DAUGHTERS | 1   | 12,040 | 3.8         | 460                   |        |             | 12              | 12,445             | 489        |                   |            |
|   | 1   | WITH HERD-MATES  | 1   | 12,040 | 3.8         | 460                   |        |             | DIFF.           | 405-               | 29-        |                   |            |
| 1232220 PENSTATE LUCIFER CHIEFTAIN.....                       |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 03-19-54 769170 2846331                                       | 302 | AI DAUGHTERS     | 666 | 11,808 | 4.0         | 471                   |        |             |                 |                    |            |                   |            |
| AI STUD, 23-05 LISTED, 08-63                                  | 302 | WITH HERD-MATES  | 660 | 11,799 | 4.0         | 471                   |        |             | 10              | 12,424             | 464        | 11,563            | 453        |
| STATES- 23,51,54  |     |                  |     |        |             |                       |        |             | DIFF.           | 625-               | 7          |                   |            |
|   | 1   | NDN-AI DAUGHTERS | 2   | 10,085 | 4.0         | 401                   |        |             | 13              | 12,563             | 470        |                   |            |
|   | 1   | WITH HERD-MATES  | 2   | 10,085 | 4.0         | 401                   |        |             | DIFF.           | 2478-              | 69-        |                   |            |
| 1232331 BACONFARM BURKE BELLE.....                            |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 08-30-53 1000390 3412865                                      | 22  | AI DAUGHTERS     | 22  | 11,613 | 3.8         | 440                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63                                  | 21  | WITH HERD-MATES  | 21  | 11,814 | 3.8         | 448                   |        |             | 24              | 12,672             | 475        | 11,628            | 429        |
| STATES- 21,23,32,33,34,41,43,48,57                            |     |                  |     |        |             |                       |        |             | DIFF.           | 858-               | 27-        |                   |            |
|   | 31  | NDN-AI DAUGHTERS | 60  | 13,903 | 3.9         | 542                   |        |             | 14              | 14,266             | 545        |                   |            |
|   | 29  | WITH HERD-MATES  | 56  | 14,114 | 3.9         | 551                   |        |             | DIFF.           | 152-               | 6          |                   |            |
| 1232390 .....   |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 34  | 28  | NDN-AI DAUGHTERS | 63  | 12,609 | 3.6         | 451                   |        |             |                 |                    |            |                   |            |
|   | 27  | WITH HERD-MATES  | 62  | 12,504 | 3.6         | 448                   |        |             | 11              | 12,619             | 453        |                   |            |
|   |     |                  |     |        |             |                       |        |             | DIFF.           | 115-               | 5-         |                   |            |
| 1232707 .....   |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 57  | 15  | NDN-AI DAUGHTERS | 18  | 12,065 | 3.4         | 413                   |        |             |                 |                    |            |                   |            |
|   | 15  | WITH HERD-MATES  | 18  | 12,065 | 3.4         | 413                   |        |             | 25              | 12,513             | 446        |                   |            |
|   |     |                  |     |        |             |                       |        |             | DIFF.           | 448-               | 33-        |                   |            |
| 1232724 MAR-WILL MARTY HI HDPE.....                           |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 07-10-53 1120013 2960890                                      | 23  | AI DAUGHTERS     | 23  | 11,707 | 3.6         | 424                   |        |             |                 |                    |            |                   |            |
| AI STUD, 42-02 LISTED, 08-63                                  | 21  | WITH HERD-MATES  | 21  | 11,830 | 3.6         | 430                   |        |             | 15              | 11,348             | 415        | 12,389            | 452        |
| STATES- 35,42,73  |     |                  |     |        |             |                       |        |             | DIFF.           | 482                | 15         |                   |            |
|   | 15  | NDN-AI DAUGHTERS | 31  | 13,326 | 3.7         | 490                   |        |             | 9               | 12,200             | 466        |                   |            |
|   | 12  | WITH HERD-MATES  | 28  | 13,181 | 3.7         | 485                   |        |             | DIFF.           | 981                | 19         |                   |            |
| 1232888 .....   |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 21,23   | 5   | NDN-AI DAUGHTERS | 5   | 13,020 | 3.9         | 509                   |        |             |                 |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 5   | 13,020 | 3.9         | 509                   |        |             | 6               | 13,287             | 497        |                   |            |
|   |     |                  |     |        |             |                       |        |             | DIFF.           | 267-               | 12         |                   |            |
| 1232907 DISTINCTION PRINCE PROFILE.....                       |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 04-24-54 1169412 2069275                                      | 21  | AI DAUGHTERS     | 21  | 11,547 | 3.6         | 416                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-05 LISTED, 08-63                                  | 21  | WITH HERD-MATES  | 21  | 11,547 | 3.6         | 416                   |        |             | 8               | 12,214             | 444        | 11,720            | 426        |
| STATES- 31,35,42,52,86  |     |                  |     |        |             |                       |        |             | DIFF.           | 667-               | 28-        |                   |            |
|   | 26  | NDN-AI DAUGHTERS | 64  | 14,642 | 3.7         | 546                   |        |             | 8               | 14,893             | 551        |                   |            |
|   | 26  | WITH HERD-MATES  | 64  | 14,642 | 3.7         | 546                   |        |             | DIFF.           | 251-               | 5-         |                   |            |
| 1233005 MANCRYCO GALLANT BLACK STAR.....                      |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 03-01-54 1013718 3280218                                      | 4   | AI DAUGHTERS     | 4   | 12,308 | 3.8         | 462                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63                                  | 4   | WITH HERD-MATES  | 4   | 12,308 | 3.8         | 462                   |        |             | 12              | 13,344             | 495        | 11,906            | 437        |
| STATES- 13,23,33,42,48,71                                     |     |                  |     |        |             |                       |        |             | DIFF.           | 1036-              | 33-        |                   |            |
|   | 63  | NDN-AI DAUGHTERS | 134 | 12,435 | 3.7         | 456                   |        |             | 10              | 12,014             | 436        |                   |            |
|   | 61  | WITH HERD-MATES  | 131 | 12,448 | 3.7         | 456                   |        |             | DIFF.           | 434                | 20         |                   |            |
| 1233014 HIGHLAND CAESAR LOCHINVAR.....                        |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 11-15-53 1183742 3050653                                      | 17  | AI DAUGHTERS     | 17  | 11,552 | 3.8         | 435                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63                                  | 17  | WITH HERD-MATES  | 17  | 11,552 | 3.8         | 435                   |        |             | 15              | 12,185             | 449        | 11,771            | 436        |
| STATES- 12,13,21,22,23,32,52,54,55                            |     |                  |     |        |             |                       |        |             | DIFF.           | 633-               | 14-        |                   |            |
|   | 37  | NDN-AI DAUGHTERS | 71  | 12,509 | 3.7         | 468                   |        |             | 16              | 12,267             | 447        |                   |            |
|   | 35  | WITH HERD-MATES  | 69  | 12,657 | 3.7         | 473                   |        |             | DIFF.           | 390                | 26         |                   |            |
| 1233390 AGTEX FFB PABST BEAUTY.....                           |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 02-27-54 901195 2574564                                       | 34  | AI DAUGHTERS     | 68  | 13,145 | 3.5         | 454                   |        |             |                 |                    |            |                   |            |
| AI STUD, 74-01 LISTED, 08-63                                  | 34  | WITH HERD-MATES  | 68  | 13,145 | 3.5         | 454                   |        |             | 26              | 12,357             | 429        | 12,726            | 462        |
| STATES- 71,74   |     |                  |     |        |             |                       |        |             | DIFF.           | 788                | 25         |                   |            |
| 1233483 BUTTERCUP PRINCE PANSY.....                           |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 12-15-53 1182925 2632406                                      | 18  | NON-AI DAUGHTERS | 38  | 12,421 | 3.9         | 489                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-04 LISTED, 08-63                                  | 18  | WITH HERD-MATES  | 38  | 12,421 | 3.9         | 489                   |        |             | 10              | 12,704             | 503        |                   |            |
| STATES- 35  |     |                  |     |        |             |                       |        |             | DIFF.           | 283-               | 14-        |                   |            |
| 1233487 NETHERLAND BURKE SKY CHIEF.....                       |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 09-05-53 1013415 3348174                                      | 22  | NON-AI DAUGHTERS | 41  | 13,328 | 4.0         | 537                   |        |             |                 |                    |            |                   |            |
| AI STUD, 48-01 LISTED, 08-63                                  | 19  | WITH HERD-MATES  | 37  | 13,604 | 4.0         | 543                   |        |             | 12              | 13,296             | 513        |                   |            |
| STATES- 48,74   |     |                  |     |        |             |                       |        |             | DIFF.           | 308                | 30         |                   |            |
| 1234023 VERACELDA POLLY GOVERNOR.....                         |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 10-06-52 934021 2720123                                       | 203 | AI DAUGHTERS     | 215 | 12,980 | 3.8         | 490                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63                                  | 195 | WITH HERD-MATES  | 205 | 12,941 | 3.8         | 490                   |        |             | 14              | 13,056             | 478        | 12,113            | 458        |
| STATES- 21,22,23,32,33,34,35,41,48,51,52,55,56,57,64,82,85,91 |     |                  |     |        |             |                       |        |             | DIFF.           | 115-               | 12         |                   |            |
|   | 26  | NON-AI DAUGHTERS | 59  | 13,513 | 3.8         | 512                   |        |             | 9               | 13,989             | 523        |                   |            |
|   | 26  | WITH HERD-MATES  | 55  | 13,587 | 3.8         | 514                   |        |             | DIFF.           | 402-               | 9-         |                   |            |
| 1234371 SMOKER DICTATOR LANCELDT.....                         |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 01-29-54 943293 2358026                                       | 65  | AI DAUGHTERS     | 109 | 13,390 | 3.7         | 496                   |        |             |                 |                    |            |                   |            |
| AI STUD, 32-02 LISTED, 08-63                                  | 65  | WITH HERD-MATES  | 107 | 13,436 | 3.7         | 497                   |        |             | 14              | 13,365             | 501        | 12,298            | 446        |
| STATES- 31,32,33,34,56,61,63,86                               |     |                  |     |        |             |                       |        |             | DIFF.           | 71                 | 4-         |                   |            |
| 1234506 QUIN LYNN TRIUNE PRINCE.....                          |     |                  |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 02-23-54 1053084 2706208                                      | 19  | NON-AI DAUGHTERS | 39  | 17,147 | 3.7         | 641                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 08-63                                  | 17  | WITH HERD-MATES  | 34  | 17,729 | 3.7         | 663                   |        |             | 5               | 14,519             | 558        |                   |            |
| STATES- 47,48   |     |                  |     |        |             |                       |        |             | DIFF.           | 3210               | 105        |                   |            |



## SIREs OF OHIA DAUGHTERS

| HOLSTEIN                                     | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERO-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1234517 PA8ST LEADER JESS VALE.....          |                        |            |           |           |                     |            |           |               |           |
| 05-04-54 915940 2991632                      | 4                      | 13,208     | 3.4       | 443       |                     |            |           |               |           |
| AI STUO, 35-05 LISTED, 08-63                 | 3                      | 12,793     | 3.3       | 422       | 7                   | 11,501     | 420       | 12,381        | 444       |
| STATES- 35,41,42,64                          |                        |            |           |           | OIFF.               | 1292       | 2         |               |           |
|  | 29                     | 14,301     | 3.5       | 507       |                     |            |           |               |           |
|  | 27                     | 14,270     | 3.5       | 506       | 4                   | 12,097     | 437       |               |           |
|  |                        |            |           |           | OIFF.               | 2173       | 69        |               |           |
| 1234654 .....                                |                        |            |           |           |                     |            |           |               |           |
|  | 7                      | 12,437     | 3.7       | 456       |                     |            |           |               |           |
| STATES- 52,55,56,57                          | 7                      | 12,437     | 3.7       | 456       | 26                  | 11,554     | 418       |               |           |
|  |                        |            |           |           | OIFF.               | 883        | 38        |               |           |
| 1234776 SHDRTS DRMS8Y ROCKY.....             |                        |            |           |           |                     |            |           |               |           |
| 06-08-54 1183964 3177027                     | 8                      | 16,213     | 3.8       | 610       |                     |            |           |               |           |
| AI STUO, 35-75 LISTED, 08-63                 | 8                      | 16,289     | 3.8       | 613       | 8                   | 15,768     | 601       |               |           |
| STATES- 43                                   |                        |            |           |           | OIFF.               | 521        | 12        |               |           |
| 1235054 .....                                |                        |            |           |           |                     |            |           |               |           |
|  | 7                      | 11,643     | 3.8       | 443       |                     |            |           |               |           |
| STATES- 31                                   | 7                      | 11,643     | 3.8       | 443       | 11                  | 13,187     | 483       |               |           |
|  |                        |            |           |           | OIFF.               | 1544-      | 40-       |               |           |
| 1235097 TIOY BURKE FDBES.....                |                        |            |           |           |                     |            |           |               |           |
| 01-03-54 1013415 2918802                     | 54                     | 14,044     | 3.7       | 521       |                     |            |           |               |           |
| AI STUO, 35-75 LISTED, 08-63                 | 52                     | 14,015     | 3.7       | 520       | 20                  | 12,834     | 475       |               |           |
| STATES- 47,48,84                             |                        |            |           |           | OIFF.               | 1181       | 45        |               |           |
| 1235150 HEERSCHER DEMONSTRATOR MARGINAL..... |                        |            |           |           |                     |            |           |               |           |
| 06-12-54 1155469 3586429                     | 2                      | 10,280     | 3.6       | 368       |                     |            |           |               |           |
| AI STUO, 35-75 LISTED, 08-63                 | 2                      | 10,280     | 3.6       | 368       | 40                  | 10,243     | 374       | 12,114        | 442       |
| STATES- 21,33,74                             |                        |            |           |           | OIFF.               | 37         | 6-        |               |           |
|  | 24                     | 13,402     | 3.8       | 514       |                     |            |           |               |           |
|  | 24                     | 13,453     | 3.8       | 516       | 8                   | 14,123     | 521       |               |           |
|  |                        |            |           |           | OIFF.               | 670-       | 5-        |               |           |
| 1235329 RICH-HERO TOP NOTCH.....             |                        |            |           |           |                     |            |           |               |           |
| 01-18-54 1203881 2947831                     | 23                     | 12,788     | 3.6       | 466       |                     |            |           |               |           |
| AI STUO, 42-02 LISTED, 08-63                 | 23                     | 12,865     | 3.6       | 468       | 21                  | 12,856     | 467       |               |           |
| STATES- 85,87                                |                        |            |           |           | OIFF.               | 9          | 1         |               |           |
| 1235420 .....                                |                        |            |           |           |                     |            |           |               |           |
|  | 8                      | 8,902      | 4.2       | 377       |                     |            |           |               |           |
| STATES- 13                                   | 8                      | 8,902      | 4.2       | 377       | 5                   | 11,075     | 391       |               |           |
|  |                        |            |           |           | OIFF.               | 2173-      | 14-       |               |           |
| 1235822 AT8ITH TY VIC KING MONCAOER.....     |                        |            |           |           |                     |            |           |               |           |
| 01-31-54 923749 2790993                      | 234                    | 14,142     | 3.7       | 524       |                     |            |           |               |           |
| AI STUO, 92-01 LISTED, 08-63                 | 220                    | 14,268     | 3.7       | 528       | 22                  | 13,261     | 483       | 13,188        | 490       |
| STATES- 91,92                                |                        |            |           |           | OIFF.               | 1007       | 45        |               |           |
| 1235894 RUSSINWOOD NOBLE LEADER.....         |                        |            |           |           |                     |            |           |               |           |
| 03-20-54 915940 2751944                      | 285                    | 12,902     | 3.8       | 484       |                     |            |           |               |           |
| AI STUO, 33-03 LISTED, 08-63                 | 281                    | 12,913     | 3.7       | 484       | 16                  | 12,948     | 475       | 12,179        | 455       |
| STATES- 11,13,14,15,16,21,22,                |                        |            |           |           | OIFF.               | 35-        | 9         |               |           |
| 23,31,32,33,34,35,41,42,47,48,               | 17                     | 14,148     | 3.9       | 547       |                     |            |           |               |           |
| 50,51,52,56,57,61,82,87,92                   | 15                     | 14,037     | 3.8       | 536       | 16                  | 13,936     | 536       |               |           |
|  |                        |            |           |           | OIFF.               | 101        |           |               |           |
| 1236190 .....                                |                        |            |           |           |                     |            |           |               |           |
|  | 6                      | 13,832     | 3.7       | 505       |                     |            |           |               |           |
| STATES- 22,52                                | 6                      | 13,832     | 3.7       | 505       | 15                  | 11,809     | 438       |               |           |
|  |                        |            |           |           | OIFF.               | 2023       | 67        |               |           |
| 1236579 ROCK CREST ADMIRAL GENERAL.....      |                        |            |           |           |                     |            |           |               |           |
| 07-15-54 1113528 3006697                     | 7                      | 13,031     | 3.6       | 464       |                     |            |           |               |           |
| AI STUO, 42-02 LISTED, 08-63                 | 6                      | 13,092     | 3.5       | 464       | 15                  | 12,452     | 455       | 12,357        | 447       |
| STATES- 33,42,56                             |                        |            |           |           | OIFF.               | 640        | 9         |               |           |
|  | 16                     | 12,062     | 3.6       | 433       |                     |            |           |               |           |
|  | 16                     | 12,062     | 3.6       | 433       | 14                  | 11,600     | 427       |               |           |
|  |                        |            |           |           | OIFF.               | 462        | 6         |               |           |
| 1236789 ELMER BROOK ARISTOCRAT.....          |                        |            |           |           |                     |            |           |               |           |
| 03-09-54 903212 2665113                      | 74                     | 14,571     | 3.7       | 537       |                     |            |           |               |           |
| AI STUO, 35-03 LISTED, 08-63                 | 71                     | 14,675     | 3.7       | 540       | 13                  | 13,492     | 495       | 13,256        | 487       |
| STATES- 16,34,35,42,61,72,74,                |                        |            |           |           | OIFF.               | 1183       | 45        |               |           |
| 87   | 25                     | 14,891     | 3.8       | 569       |                     |            |           |               |           |
|  | 25                     | 14,898     | 3.8       | 569       | 10                  | 13,509     | 501       |               |           |
|  |                        |            |           |           | OIFF.               | 1389       | 68        |               |           |
| 1236901 CLYOE HILL DRMS8Y CORONA.....        |                        |            |           |           |                     |            |           |               |           |
| 06-12-54 1202702 2524658                     | 15                     | 13,959     | 3.7       | 519       |                     |            |           |               |           |
| AI STUO, 34-01 LISTED, 08-63                 | 15                     | 13,959     | 3.7       | 519       | 8                   | 13,728     | 533       |               |           |
| STATES- 35,42,43,48                          |                        |            |           |           | OIFF.               | 231        | 14-       |               |           |
| 1236993 .....                                |                        |            |           |           |                     |            |           |               |           |
|  | 6                      | 12,251     | 3.8       | 465       |                     |            |           |               |           |
| STATES- 33                                   | 6                      | 12,251     | 3.8       | 465       | 11                  | 10,975     | 406       |               |           |
|  |                        |            |           |           | OIFF.               | 1276       | 59        |               |           |
| 1237057 IRVINGTON PRIDE ADMIRAL.....         |                        |            |           |           |                     |            |           |               |           |
| 08-03-54 1112030 2728655                     | 22                     | 14,715     | 3.9       | 578       |                     |            |           |               |           |
| AI STUO, 33-03 LISTED, 08-63                 | 22                     | 14,715     | 3.9       | 578       | 43                  | 12,977     | 496       |               |           |
| STATES- 31,33,51                             |                        |            |           |           | OIFF.               | 1738       | 82        |               |           |
| 1237074 SILVIS FARM PA8ST RAVEN.....         |                        |            |           |           |                     |            |           |               |           |
| 02-26-54 909839 2794992                      | 402                    | 11,601     | 3.8       | 440       |                     |            |           |               |           |
| AI STUO, 23-05 LISTED, 08-63                 | 389                    | 11,645     | 3.8       | 442       | 11                  | 12,354     | 463       | 11,469        | 426       |
| STATES- 23,31,51,54                          |                        |            |           |           | OIFF.               | 709-       | 21-       |               |           |
|  | 3                      | 11,259     | 3.7       | 412       |                     |            |           |               |           |
|  | 3                      | 11,259     | 3.7       | 412       | 16                  | 11,756     | 441       |               |           |
|  |                        |            |           |           | OIFF.               | 497-       | 29-       |               |           |

## SIRE OF OHIA DAUGHTERS

| SIRE'S OF DAIRY DAUGHTERS |                                  |         |                  | AV. RECORDS      | PRODUCTION OF MILK LB | TEST % | OAD. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB  | PREDICTED AV. MILK LB | AV. FAT LB |
|---------------------------|----------------------------------|---------|------------------|------------------|-----------------------|--------|-------------|-----------------|--------------------|-------------|-----------------------|------------|
| HDLSTEIN                  |                                  |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1237136                   | .....                            |         |                  | 5                | NON-AI DAUGHTERS      | 6      | 13,286      | 3.7             | 494                |             |                       |            |
| STATES-                   | 31,52,58,64                      | 4       | WITH HERD-MATES  | 5                |                       | 5      | 13,585      | 3.7             | 509                | 29 DIFF.    | 11,875 1710           | 415 94     |
| 1237269                   | WIS HEADLIGHT.....               |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 08-10-54                  | 1192327                          | 3531155 | 25               | NDN-AI DAUGHTERS | 65                    | 14,001 | 3.6         | 501             |                    |             |                       |            |
| AI STUO,                  | 35-01 LISTED,                    | 08-63   | 25               | WITH HERD-MATES  | 65                    | 14,001 | 3.6         | 501             | 6 DIFF.            | 13,447 554  | 492 9                 |            |
| STATES-                   | 35                               |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1237270                   | WIS WHITE STANDARD.....          |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 08-14-54                  | 999669                           | 2508781 | 188              | AI DAUGHTERS     | 300                   | 12,146 | 3.6         | 440             |                    |             |                       |            |
| AI STUO,                  | 61-01 LISTED,                    | 08-63   | 180              | WITH HERD-MATES  | 286                   | 12,148 | 3.6         | 440             | 15 DIFF.           | 12,103 45   | 439 1                 | 12,174 445 |
| STATES-                   | 33,61                            |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1237277                   | H S F DEAN OUK.....              |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 10-09-53                  | 1112211                          | 2995399 | 44               | NDN-AI DAUGHTERS | 93                    | 13,517 | 3.7         | 497             |                    |             |                       |            |
| AI STUO,                  | 61-01 LISTED,                    | 08-63   | 42               | WITH HERD-MATES  | 91                    | 13,507 | 3.7         | 497             | 15 DIFF.           | 13,449 58   | 499 2-                |            |
| STATES-                   | 14,15,21,23,51,61                |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1237402                   | .....                            |         |                  | 5                | NDN-AI DAUGHTERS      | 12     | 11,288      | 3.7             | 419                |             |                       |            |
| STATES-                   | 23,43,48                         | 5       | WITH HERD-MATES  | 12               |                       | 12     | 11,288      | 3.7             | 419                | 11 DIFF.    | 12,654 1366-          | 448 29-    |
| 1237606                   | .....                            |         |                  | 5                | NDN-AI DAUGHTERS      | 6      | 11,524      | 3.7             | 427                |             |                       |            |
| STATES-                   | 52                               | 5       | WITH HERD-MATES  | 6                |                       | 6      | 11,524      | 3.7             | 427                | 13 DIFF.    | 10,607 917            | 385 42     |
| 1237666                   | CARNATION FIRST CHOICE.....      |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 05-26-54                  | 943802                           | 2638030 | 221              | AI DAUGHTERS     | 361                   | 12,802 | 3.8         | 484             |                    |             |                       |            |
| AI STUO,                  | 35-05 LISTED,                    | 08-63   | 217              | WITH HERD-MATES  | 356                   | 12,823 | 3.8         | 485             | 15 DIFF.           | 12,712 111  | 467 18                | 12,294 463 |
| STATES-                   | 22,23,31,32,33,35,43,74,86       |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1237747                   | MALLARY AUDACIOUS.....           |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 05-12-54                  | 1165353                          | 1930238 | 55               | NDN-AI DAUGHTERS | 100                   | 13,768 | 3.9         | 537             |                    |             |                       |            |
| AI STUO,                  | 33-03 LISTED,                    | 08-63   | 52               | WITH HERD-MATES  | 96                    | 13,656 | 3.9         | 533             | 13 DIFF.           | 13,915 259- | 544 11-               |            |
| STATES-                   | 11,12,13,14,21,23,31,33,52,61    |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1237844                   | .....                            |         |                  | 7                | NDN-AI DAUGHTERS      | 7      | 11,817      | 3.7             | 441                |             |                       |            |
| STATES-                   | 47                               | 7       | WITH HERD-MATES  | 7                |                       | 7      | 11,817      | 3.7             | 441                | 7 DIFF.     | 12,138 321-           | 446 5-     |
| 1237996                   | .....                            |         |                  | 9                | NDN-AI DAUGHTERS      | 14     | 12,120      | 3.4             | 417                |             |                       |            |
| STATES-                   | 23,31                            | 8       | WITH HERD-MATES  | 13               |                       | 13     | 12,115      | 3.4             | 412                | 7 DIFF.     | 11,548 567            | 402 10     |
| 1238318                   | VIGO LEANDER.....                |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 01-29-54                  | 915940                           | 2759644 | 190              | AI DAUGHTERS     | 202                   | 13,704 | 3.6         | 487             |                    |             |                       |            |
| AI STUO,                  | 35-03 LISTED,                    | 08-63   | 189              | WITH HERD-MATES  | 201                   | 13,715 | 3.6         | 488             | 12 DIFF.           | 13,198 517  | 484 4                 | 12,721 452 |
| STATES-                   | 14,21,23,32,35,56,61,65,74,87    |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
|                           |                                  | 16      | NDN-AI DAUGHTERS | 25               | 15,954                | 3.5    | 562         |                 |                    |             |                       |            |
|                           |                                  | 16      | WITH HERD-MATES  | 25               | 15,954                | 3.5    | 562         | 18 DIFF.        | 14,981 973         | 553 9       |                       |            |
| 1238438                   | HUDINI SPERGER M C BLOSSOM.....  |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 11-13-53                  | 1070226                          | 2946638 | 15               | NDN-AI DAUGHTERS | 23                    | 14,989 | 4.0         | 601             |                    |             |                       |            |
| AI STUO,                  | 35-75 LISTED,                    | 08-63   | 15               | WITH HERD-MATES  | 23                    | 14,989 | 4.0         | 601             | 13 DIFF.           | 14,473 516  | 557 44                |            |
| STATES-                   | 91                               |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1239126                   | GRAY VIEW NAVIGATOR BLEND.....   |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 01-06-54                  | 1139159                          | 3288921 | 19               | NDN-AI DAUGHTERS | 43                    | 13,975 | 3.9         | 551             |                    |             |                       |            |
| AI STUO,                  | 41-01 LISTED,                    | 08-63   | 19               | WITH HERD-MATES  | 43                    | 13,975 | 3.9         | 551             | 13 DIFF.           | 13,494 481  | 519 32                |            |
| STATES-                   | 35,74                            |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1239193                   | .....                            |         |                  | 6                | NDN-AI DAUGHTERS      | 7      | 10,326      | 3.3             | 344                |             |                       |            |
| STATES-                   | 52                               | 6       | WITH HERD-MATES  | 7                |                       | 7      | 10,326      | 3.3             | 344                | 18 DIFF.    | 10,032 294            | 346 2-     |
| 1239223                   | .....                            |         |                  | 5                | NDN-AI DAUGHTERS      | 9      | 9,617       | 3.5             | 338                |             |                       |            |
| STATES-                   | 23,51,52,54,55                   | 5       | WITH HERD-MATES  | 9                |                       | 9      | 9,617       | 3.5             | 338                | 16 DIFF.    | 11,873 2256-          | 435 97-    |
| 1239242                   | SEVENS BURKE SKYLARK.....        |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 07-02-54                  | 1001822                          | 3092513 | 36               | NDN-AI DAUGHTERS | 82                    | 14,758 | 3.7         | 548             |                    |             |                       |            |
| AI STUO,                  | 35-75 LISTED,                    | 08-63   | 36               | WITH HERD-MATES  | 82                    | 14,758 | 3.7         | 548             | 25 DIFF.           | 13,571 1187 | 500 48                |            |
| STATES-                   | 31,55,87                         |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1239279                   | ELM-BECCA LADYSMAN.....          |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 08-13-54                  | 977110                           | 3232614 | 29               | NDN-AI DAUGHTERS | 52                    | 11,720 | 3.8         | 441             |                    |             |                       |            |
| AI STUO,                  | 35-05 LISTED,                    | 08-63   | 28               | WITH HERD-MATES  | 51                    | 11,716 | 3.8         | 443             | 10 DIFF.           | 12,680 964- | 490 47-               |            |
| STATES-                   | 22,23,51                         |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1239414                   | .....                            |         |                  | 8                | NDN-AI DAUGHTERS      | 15     | 17,393      | 3.6             | 622                |             |                       |            |
| STATES-                   | 43                               | 8       | WITH HERD-MATES  | 15               |                       | 15     | 17,393      | 3.6             | 622                | 15 DIFF.    | 15,671 1722           | 579 43     |
| 1239464                   | .....                            |         |                  | 5                | AI DAUGHTERS          | 5      | 13,074      | 3.9             | 512                |             |                       |            |
| AI STUO,                  | 42-02                            |         | 5                | WITH HERD-MATES  | 5                     | 13,074 | 3.9         | 512             | 15 DIFF.           | 11,855 1219 | 440 72                | 12,480 465 |
| STATES-                   | 42                               |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 1239480                   | CULVER LIEU DICTATOR LEADER..... |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
| 03-25-54                  | 1145788                          | 3099707 | 11               | AI DAUGHTERS     | 17                    | 15,453 | 3.9         | 597             |                    |             |                       |            |
| AI STUO,                  | 32-02 LISTED,                    | 08-63   | 11               | WITH HERD-MATES  | 16                    | 15,411 | 3.9         | 594             | 15 DIFF.           | 13,760 1651 | 513 81                | 12,987 485 |
| STATES-                   | 31,32,33,55                      |         |                  |                  |                       |        |             |                 |                    |             |                       |            |
|                           |                                  | 1       | NDN-AI DAUGHTERS | 1                | 15,900                | 3.6    | 572         |                 |                    |             |                       |            |
|                           |                                  | 1       | WITH HERD-MATES  | 1                | 15,900                | 3.6    | 572         | 6 DIFF.         | 15,372 528         | 533 39      |                       |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |  |     |                  |     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES FAT LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|----------------|--|-----|------------------|-----|-------------|-----------------------|--------|-------------|------------------|-------------------|------------|-----------------------|--------|
| 1239885        | HIGH MEADOW FARM SPIC TWIN.....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 08-29-54       | 831870 3203892   | 84  | AI DAUGHTERS     | 193 | 12,703      | 3.8                   | 481    |             |                  |                   |            |                       |        |
| AI STUD, 21-01 | LISTED, 08-63  | 73  | WITH HERD-MATES  | 177 | 12,404      | 3.8                   | 471    |             | 15               | 12,732            | 466        | 11,907                | 450    |
| STATES-        | 13,21,22   |     |                  |     |             |                       |        |             | DIFF.            | 328-              | 5          |                       |        |
| 1239886        | HIGH MEADOW FARM SPAN -TWIN.....   |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 08-29-54       | 831870 3203892   | 140 | AI DAUGHTERS     | 316 | 14,140      | 3.7                   | 523    |             |                  |                   |            |                       |        |
| AI STUD, 21-01 | LISTED, 08-63  | 138 | WITH HERD-MATES  | 312 | 14,153      | 3.7                   | 523    |             | 17               | 13,116            | 478        | 13,179                | 488    |
| STATES-        | 13,14,21,51  |     |                  |     |             |                       |        |             | DIFF.            | 1037              | 45         |                       |        |
| 1239987        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 5   | NON-AI DAUGHTERS | 8   | 10,194      | 3.7                   | 379    |             |                  |                   |            |                       |        |
| STATES-        | 23   | 4   | WITH HERD-MATES  | 7   | 10,271      | 3.8                   | 386    |             | 7                | 10,585            | 404        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 314-              | 18-        |                       |        |
| 1240095        | CURTISS CANDY PROUD PILDY.....   |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 07-20-54       | 1056882 2177529  | 258 | AI DAUGHTERS     | 374 | 12,322      | 3.6                   | 444    |             |                  |                   |            |                       |        |
| AI STUD, 33-03 | LISTED, 08-63  | 256 | WITH HERD-MATES  | 368 | 12,293      | 3.6                   | 443    |             | 15               | 12,714            | 467        | 11,790                | 423    |
| STATES-        | 11,12,13,14,15,16,21,22,23,31,32,33,34,35,41,42,43,48,50,51,52,54,56,61,73,74,84,92,93 |     |                  |     |             |                       |        |             | DIFF.            | 421-              | 24-        |                       |        |
| 1240125        | SPRUCE LAWN CHIEFTAIN SPICE.....   |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 08-24-54       | 829220 3220786   | 94  | AI DAUGHTERS     | 229 | 13,866      | 3.6                   | 499    |             |                  |                   |            |                       |        |
| AI STUD, 21-01 | LISTED, 08-63  | 91  | WITH HERD-MATES  | 220 | 13,861      | 3.6                   | 501    |             | 17               | 12,657            | 460        | 13,240                | 482    |
| STATES-        | 13,14,21,23  |     |                  |     |             |                       |        |             | DIFF.            | 1204              | 41         |                       |        |
| 1240129        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 8   | NON-AI DAUGHTERS | 8   | 15,974      | 3.6                   | 577    |             |                  |                   |            |                       |        |
| STATES-        | 31   | 8   | WITH HERD-MATES  | 8   | 15,974      | 3.6                   | 577    |             | 12               | 15,461            | 550        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 513               | 27         |                       |        |
| 1240188        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 8   | NON-AI DAUGHTERS | 9   | 10,042      | 3.7                   | 368    |             |                  |                   |            |                       |        |
| STATES-        | 34   | 8   | WITH HERD-MATES  | 9   | 10,042      | 3.7                   | 368    |             | 35               | 11,396            | 407        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 1354-             | 39-        |                       |        |
| 1240280        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 5   | NON-AI DAUGHTERS | 7   | 13,705      | 3.3                   | 455    |             |                  |                   |            |                       |        |
| STATES-        | 21,23,31,34  | 5   | WITH HERD-MATES  | 7   | 13,705      | 3.3                   | 455    |             | 9                | 12,334            | 444        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 1371              | 11         |                       |        |
| 1240330        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 5   | NON-AI DAUGHTERS | 8   | 12,872      | 3.2                   | 416    |             |                  |                   |            |                       |        |
| STATES-        | 34   | 5   | WITH HERD-MATES  | 8   | 12,872      | 3.2                   | 416    |             | 16               | 13,550            | 470        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 678-              | 54-        |                       |        |
| 1240355        | MEISEGEIER OUN-AFTON.....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 10-09-54       | 1177959 2884827  | 9   | NON-AI DAUGHTERS | 22  | 14,033      | 4.0                   | 563    |             |                  |                   |            |                       |        |
| AI STUD, 35-75 | LISTED, 08-63  | 9   | WITH HERD-MATES  | 22  | 14,033      | 4.0                   | 563    |             | 9                | 14,517            | 531        |                       |        |
| STATES-        | 35,41  |     |                  |     |             |                       |        |             | DIFF.            | 484-              | 32         |                       |        |
| 1240638        | ELMOKA RUDOLPH HOMESTEAD.....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 07-20-54       | 1175561 3204121  | 11  | AI DAUGHTERS     | 12  | 12,971      | 4.0                   | 514    |             |                  |                   |            |                       |        |
| AI STUD, 41-25 | LISTED, 08-63  | 10  | WITH HERD-MATES  | 11  | 13,088      | 4.0                   | 518    |             | 13               | 13,163            | 489        | 12,148                | 459    |
| STATES-        | 23,35,41,45,47   |     |                  |     |             |                       |        |             | DIFF.            | 75-               | 29         |                       |        |
|                |  | 4   | NON-AI DAUGHTERS | 4   | 14,400      | 4.0                   | 582    |             |                  |                   |            |                       |        |
|                |  | 4   | WITH HERD-MATES  | 4   | 14,400      | 4.0                   | 582    |             | 6                | 13,894            | 543        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 506               | 39         |                       |        |
| 1240678        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 5   | NON-AI DAUGHTERS | 8   | 14,035      | 3.7                   | 520    |             |                  |                   |            |                       |        |
| STATES-        | 23   | 5   | WITH HERD-MATES  | 8   | 14,035      | 3.7                   | 520    |             | 10               | 13,229            | 499        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 806               | 21         |                       |        |
| 1240785        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 5   | NON-AI DAUGHTERS | 7   | 11,570      | 3.6                   | 416    |             |                  |                   |            |                       |        |
| STATES-        | 23   | 5   | WITH HERD-MATES  | 7   | 11,570      | 3.6                   | 416    |             | 11               | 13,196            | 486        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 1626-             | 70-        |                       |        |
| 1240801        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 8   | NON-AI DAUGHTERS | 8   | 14,058      | 3.7                   | 516    |             |                  |                   |            |                       |        |
| STATES-        | 51   | 8   | WITH HERD-MATES  | 8   | 14,058      | 3.7                   | 516    |             | 33               | 13,588            | 528        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 470               | 12-        |                       |        |
| 1240965        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 19  | NON-AI DAUGHTERS | 19  | 14,891      | 3.9                   | 583    |             |                  |                   |            |                       |        |
| STATES-        | 23   | 19  | WITH HERD-MATES  | 19  | 14,891      | 3.9                   | 583    |             | 28               | 15,030            | 577        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 139-              | 6          |                       |        |
| 1241276        | HIGH MEADOW FARM ADA.....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 09-10-54       | 846425 2997745   | 123 | AI DAUGHTERS     | 245 | 11,151      | 3.6                   | 407    |             |                  |                   |            |                       |        |
| AI STUD, 51-02 | LISTED, 08-63  | 118 | WITH HERD-MATES  | 237 | 11,181      | 3.6                   | 407    |             | 14               | 10,910            | 397        | 12,269                | 449    |
| STATES-        | 31,54  |     |                  |     |             |                       |        |             | DIFF.            | 271               | 10         |                       |        |
|                |  | 3   | NON-AI DAUGHTERS | 7   | 10,638      | 3.9                   | 416    |             |                  |                   |            |                       |        |
|                |  | 3   | WITH HERD-MATES  | 7   | 10,638      | 3.9                   | 416    |             | 11               | 10,480            | 376        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 158               | 40         |                       |        |
| 1241349        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 8   | NON-AI DAUGHTERS | 9   | 11,216      | 3.5                   | 396    |             |                  |                   |            |                       |        |
| STATES-        | 35,74  | 8   | WITH HERD-MATES  | 9   | 11,216      | 3.5                   | 396    |             | 21               | 11,869            | 438        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 653-              | 42-        |                       |        |
| 1241389        | MANCRYCO INKA RAG APPLE.....   |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
| 01-08-54       | 918396 2556098   | 25  | AI DAUGHTERS     | 30  | 10,696      | 4.0                   | 433    |             |                  |                   |            |                       |        |
| AI STUD, 63-02 | LISTED, 08-63  | 25  | WITH HERD-MATES  | 30  | 10,696      | 4.0                   | 433    |             | 13               | 11,424            | 424        | 11,600                | 449    |
| STATES-        | 42,63  |     |                  |     |             |                       |        |             | DIFF.            | 728-              | 9          |                       |        |
|                |  | 16  | NON-AI DAUGHTERS | 25  | 14,799      | 4.0                   | 590    |             |                  |                   |            |                       |        |
|                |  | 16  | WITH HERD-MATES  | 22  | 14,711      | 4.0                   | 587    |             | 5                | 15,588            | 538        |                       |        |
|                |  |     |                  |     |             |                       |        |             | DIFF.            | 877-              | 49         |                       |        |
| 1241427        | .....  |     |                  |     |             |                       |        |             |                  |                   |            |                       |        |
|                |  | 6   | NON-AI DAUGHTERS | 6   | 17,037      | 3.9                   | 663    |             |                  |                   |            |                       |        |
| AI STUD, 35-75 |  | 6   | WITH HERD-MATES  | 6   | 17,037      | 3.9                   | 663    |             | 20               | 15,336            | 592        |                       |        |
| STATES-        | 74   |     |                  |     |             |                       |        |             | DIFF.            | 1701              | 71         |                       |        |



## SIREs OF OHIA DAUGHTERS

| STATES OF DATA DAUGHTERS |                                     |               |     |                  | AV. RECDRDS | PRDDUCTION | DF   | DAU. | ADJ. AV. | HERD-MATES | AV. | PREDICTED AV. |     |
|--------------------------|-------------------------------------|---------------|-----|------------------|-------------|------------|------|------|----------|------------|-----|---------------|-----|
| HDLSTEIN                 |                                     |               |     |                  | NUMBER      | MILK       | TEST | FAT  | NUMBER   | MILK       | FAT | MILK          | FAT |
|                          |                                     |               |     |                  |             | L8         | %    | L8   |          | L8         | L8  | L8            | L8  |
| 1241487                  | WIS RAVEN CYCLDNE.....              |               |     |                  |             |            |      |      |          |            |     |               |     |
| 11-16-54                 | 1195760                             | 2477373       | 50  | NDN-AI DAUGHTERS | 105         | 16,107     | 3.5  | 570  |          |            |     |               |     |
| AI STUD,                 | 31-02                               | LISTED, 08-63 | 50  | WITH HERD-MATES  | 105         | 16,107     | 3.5  | 570  | 19       | 15,801     | 588 |               |     |
| STATES-                  | 14,16,21,35,52,64                   |               |     |                  |             |            |      |      | DIFF.    | 306        | 18- |               |     |
| 1241838                  | .....                               |               |     |                  |             |            |      |      |          |            |     |               |     |
|                          |                                     |               | 5   | NDN-AI DAUGHTERS | 5           | 13,116     | 3.5  | 457  |          |            |     |               |     |
| STATES-                  | 35                                  |               | 4   | WITH HERD-MATES  | 4           | 13,025     | 3.4  | 437  | 17       | 14,061     | 514 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 1036-      | 77- |               |     |
| 1241889                  | HICKORY CREEK HDMESTEAD GOMAR.....  |               |     |                  |             |            |      |      |          |            |     |               |     |
| 10-21-54                 | 1111083                             | 2378140       | 19  | NDN-AI DAUGHTERS | 47          | 15,298     | 3.6  | 546  |          |            |     |               |     |
| AI STUD,                 | 41-25                               | LISTED, 08-63 | 19  | WITH HERD-MATES  | 46          | 15,244     | 3.6  | 544  | 4        | 14,604     | 534 |               |     |
| STATES-                  | 42                                  |               |     |                  |             |            |      |      | DIFF.    | 640        | 10  |               |     |
| 1241914                  | RIVER VALLEY WALLIE SUPREME.....    |               |     |                  |             |            |      |      |          |            |     |               |     |
| 11-09-54                 | 1190632                             | 3002373       | 12  | NDN-AI DAUGHTERS | 22          | 16,628     | 3.7  | 612  |          |            |     |               |     |
| AI STUO,                 | 33-03                               | LISTED, 08-63 | 12  | WITH HERD-MATES  | 22          | 16,628     | 3.7  | 612  | 18       | 15,606     | 568 |               |     |
| STATES-                  | 21,23                               |               |     |                  |             |            |      |      | DIFF.    | 1022       | 44  |               |     |
| 1241918                  | .....                               |               |     |                  |             |            |      |      |          |            |     |               |     |
|                          |                                     |               | 9   | AI DAUGHTERS     | 10          | 12,950     | 3.6  | 463  |          |            |     |               |     |
| AI STUD,                 | 63-03                               |               | 9   | WITH HERD-MATES  | 10          | 12,950     | 3.6  | 463  | 13       | 12,295     | 433 | 12,417        | 456 |
| STATES-                  | 63                                  |               |     |                  |             |            |      |      | DIFF.    | 655        | 30  |               |     |
| 1242163                  | WOODSIDE FARM SEELEY OCAPDK.....    |               |     |                  |             |            |      |      |          |            |     |               |     |
| 07-14-54                 | 831870                              | 2832284       | 55  | AI DAUGHTERS     | 123         | 14,010     | 3.4  | 474  |          |            |     |               |     |
| AI STUD,                 | 21-01                               | LISTED, 08-63 | 52  | WITH HERD-MATES  | 118         | 14,067     | 3.4  | 478  | 17       | 12,917     | 468 | 13,130        | 454 |
| STATES-                  | 13,14,21,51                         |               |     |                  |             |            |      |      | DIFF.    | 1150       | 10  |               |     |
|                          |                                     |               | 1   | NDN-AI DAUGHTERS | 1           | 14,110     | 3.7  | 521  |          |            |     |               |     |
|                          |                                     |               | 1   | WITH HERD-MATES  | 1           | 14,110     | 3.7  | 521  | 49       | 12,179     | 444 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 1931       | 77  |               |     |
| 1242185                  | UDROTHIL CDLANTHA LUCIFER.....      |               |     |                  |             |            |      |      |          |            |     |               |     |
| 07-23-54                 | 1151694                             | 3552631       | 20  | NDN-AI DAUGHTERS | 52          | 13,725     | 4.0  | 552  |          |            |     |               |     |
| AI STUD,                 | 35-75                               | LISTED, 08-63 | 20  | WITH HERD-MATES  | 52          | 13,725     | 4.0  | 552  | 24       | 12,637     | 487 |               |     |
| STATES-                  | 55                                  |               |     |                  |             |            |      |      | DIFF.    | 1088       | 65  |               |     |
| 1242194                  | MT PLEASANT BURKOWANA PRIDE.....    |               |     |                  |             |            |      |      |          |            |     |               |     |
| 11-19-53                 | 1083519                             | 2800337       | 77  | AI DAUGHTERS     | 166         | 13,570     | 3.6  | 494  |          |            |     |               |     |
| AI STUO,                 | 41-25                               | LISTED, 08-63 | 75  | WITH HERD-MATES  | 162         | 13,597     | 3.6  | 496  | 17       | 12,776     | 462 | 12,896        | 475 |
| STATES-                  | 42                                  |               |     |                  |             |            |      |      | DIFF.    | 821        | 34  |               |     |
|                          |                                     |               | 1   | NON-AI DAUGHTERS | 1           | 17,700     | 3.8  | 676  |          |            |     |               |     |
|                          |                                     |               | 1   | WITH HERD-MATES  | 1           | 17,700     | 3.8  | 676  | 32       | 13,349     | 474 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 4351       | 202 |               |     |
| 1242278                  | ZELDEN RUST CONCENTRATE.....        |               |     |                  |             |            |      |      |          |            |     |               |     |
| 10-03-54                 | 1204515                             | 3699465       | 441 | AI DAUGHTERS     | 532         | 12,885     | 3.7  | 477  |          |            |     |               |     |
| AI STUD,                 | 11-01                               | LISTED, 08-63 | 404 | WITH HERD-MATES  | 487         | 12,868     | 3.7  | 476  | 15       | 12,731     | 479 | 12,326        | 444 |
| STATES-                  | 11,12,13,14,21                      |               |     |                  |             |            |      |      | DIFF.    | 137        | 3-  |               |     |
|                          |                                     |               | 1   | NON-AI DAUGHTERS | 1           | 14,580     | 3.6  | 530  |          |            |     |               |     |
|                          |                                     |               | 1   | WITH HERD-MATES  | 1           | 14,580     | 3.6  | 530  | 3        | 11,785     | 460 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 2795       | 70  |               |     |
| 1242338                  | PA8ST LEADER CDMRE.....             |               |     |                  |             |            |      |      |          |            |     |               |     |
| 08-17-54                 | 915940                              | 2973772       | 72  | AI DAUGHTERS     | 86          | 12,845     | 4.0  | 510  |          |            |     |               |     |
| AI STUD,                 | 41-25                               | LISTED, 08-63 | 72  | WITH HERD-MATES  | 85          | 12,860     | 4.0  | 510  | 15       | 12,762     | 468 | 12,272        | 481 |
| STATES-                  | 35,41,45,46                         |               |     |                  |             |            |      |      | DIFF.    | 98         | 42  |               |     |
|                          |                                     |               | 20  | NDN-AI DAUGHTERS | 31          | 14,955     | 3.8  | 570  |          |            |     |               |     |
|                          |                                     |               | 20  | WITH HERD-MATES  | 31          | 14,955     | 3.8  | 570  | 9        | 13,921     | 484 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 1034       | 86  |               |     |
| 1242380                  | MEISEGIEIER TRAILBLAZER GINGER..... |               |     |                  |             |            |      |      |          |            |     |               |     |
| 08-09-54                 | 1157409                             | 2768722       | 13  | NDN-AI DAUGHTERS | 29          | 15,276     | 3.7  | 562  |          |            |     |               |     |
| AI STUD,                 | 35-75                               | LISTED, 08-63 | 13  | WITH HERD-MATES  | 26          | 15,220     | 3.7  | 561  | 5        | 14,828     | 525 |               |     |
| STATES-                  | 41                                  |               |     |                  |             |            |      |      | DIFF.    | 392        | 36  |               |     |
| 1242457                  | WASIDJA CHERRY80LO TI VIC.....      |               |     |                  |             |            |      |      |          |            |     |               |     |
| 09-27-54                 | 1152351                             | 2864697       | 19  | NDN-AI DAUGHTERS | 36          | 13,783     | 4.0  | 558  |          |            |     |               |     |
| AI STUD,                 | 41-25                               | LISTED, 08-63 | 17  | WITH HERD-MATES  | 33          | 13,934     | 4.0  | 560  | 8        | 14,207     | 535 |               |     |
| STATES-                  | 41,45                               |               |     |                  |             |            |      |      | DIFF.    | 273-       | 25  |               |     |
| 1242660                  | .....                               |               |     |                  |             |            |      |      |          |            |     |               |     |
|                          |                                     |               | 6   | NDN-AI DAUGHTERS | 8           | 10,403     | 3.5  | 364  |          |            |     |               |     |
| STATES-                  | 74                                  |               | 6   | WITH HERD-MATES  | 8           | 10,403     | 3.5  | 364  | 45       | 12,679     | 460 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 2276-      | 96- |               |     |
| 1242667                  | CARNATION HDMESTEAD SKY8DY.....     |               |     |                  |             |            |      |      |          |            |     |               |     |
| 07-08-54                 | 943802                              | 3010586       | 166 | AI DAUGHTERS     | 205         | 13,361     | 3.7  | 491  |          |            |     |               |     |
| AI STUD,                 | 35-04                               | LISTED, 08-63 | 166 | WITH HERD-MATES  | 205         | 13,361     | 3.7  | 491  | 13       | 12,809     | 465 | 12,711        | 470 |
| STATES-                  | 23,33,35,41,42,45,46,51,61          |               |     |                  |             |            |      |      | DIFF.    | 552        | 26  |               |     |
|                          |                                     |               | 37  | NDN-AI DAUGHTERS | 90          | 12,855     | 3.7  | 471  |          |            |     |               |     |
|                          |                                     |               | 37  | WITH HERD-MATES  | 89          | 12,861     | 3.7  | 471  | 20       | 12,886     | 478 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 25-        | 7-  |               |     |
| 1242677                  | PLUM GROVE TV VIC GLDRY.....        |               |     |                  |             |            |      |      |          |            |     |               |     |
| 11-02-53                 | 923749                              | 2805585       | 38  | AI DAUGHTERS     | 57          | 11,757     | 3.6  | 427  |          |            |     |               |     |
| AI STUD,                 | 63-03                               | LISTED, 08-63 | 36  | WITH HERD-MATES  | 55          | 11,806     | 3.6  | 430  | 15       | 12,469     | 438 | 11,662        | 437 |
| STATES-                  | 63                                  |               |     |                  |             |            |      |      | DIFF.    | 663-       | 8-  |               |     |
| 1242787                  | .....                               |               |     |                  |             |            |      |      |          |            |     |               |     |
|                          |                                     |               | 5   | NDN-AI DAUGHTERS | 5           | 9,834      | 4.1  | 404  |          |            |     |               |     |
| STATES-                  | 34                                  |               | 4   | WITH HERD-MATES  | 4           | 10,215     | 4.1  | 416  | 14       | 10,770     | 403 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 555-       | 13  |               |     |
| 1242791                  | TIME-D-DAY ANKER TRIPP.....         |               |     |                  |             |            |      |      |          |            |     |               |     |
| 05-13-54                 | 1112601                             | 2969917       | 40  | AI DAUGHTERS     | 41          | 12,353     | 3.8  | 472  |          |            |     |               |     |
| AI STUD,                 | 41-25                               | LISTED, 08-63 | 39  | WITH HERD-MATES  | 40          | 12,478     | 3.8  | 476  | 11       | 12,188     | 451 | 12,359        | 464 |
| STATES-                  | 35,41,45                            |               |     |                  |             |            |      |      | DIFF.    | 290        | 25  |               |     |
|                          |                                     |               | 46  | NON-AI DAUGHTERS | 114         | 13,869     | 3.8  | 531  |          |            |     |               |     |
|                          |                                     |               | 46  | WITH HERD-MATES  | 114         | 13,869     | 3.8  | 531  | 6        | 13,712     | 516 |               |     |
|                          |                                     |               |     |                  |             |            |      |      | DIFF.    | 157        | 15  |               |     |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                     |                                  |     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|------------------------------|----------------------------------|-----|-------------|-----------------------|--------|-------------|------------------|-----------------------|-----------------------|------------|
| 1242816                      | D I MASGDDO QUIZ.....            |     |             |                       |        |             |                  |                       |                       |            |
| 07-23-54                     | 929962 3109553                   | 86  | 224         | 14,611                | 3.5    | 518         |                  |                       |                       |            |
| AI STUD, 87-01               | LISTED, 08-63                    | 86  | 222         | 14,619                | 3.6    | 519         | 33               | 14,414                | 505                   | 14         |
| STATES- 52                   |                                  |     |             |                       |        |             | DIFF.            | 205                   |                       |            |
| 1242918                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 7 NON-AI DAUGHTERS               |     | 7           | 11,299                | 3.8    | 432         |                  |                       |                       |            |
| STATES- 52,55                | 7 WITH HERD-MATES                |     | 7           | 11,299                | 3.8    | 432         | 10               | 11,954                | 430                   | 2          |
|                              |                                  |     |             |                       |        |             | DIFF.            | 655-                  |                       |            |
| 1243106                      | YARBA ADMIRAL TRIUMPH.....       |     |             |                       |        |             |                  |                       |                       |            |
| 07-26-54                     | 769170 1908506                   | 95  | 263         | 12,858                | 3.8    | 494         |                  |                       |                       |            |
| AI STUD, 23-08               | LISTED, 08-63                    | 94  | 262         | 12,888                | 3.8    | 495         | 11               | 12,416                | 473                   | 12,575 466 |
| STATES- 23,50                |                                  |     |             |                       |        |             | DIFF.            | 472                   | 22                    |            |
| 1243170                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 15 NON-AI DAUGHTERS              |     | 15          | 13,437                | 3.8    | 510         |                  |                       |                       |            |
| STATES- 33                   | 15 WITH HERD-MATES               |     | 15          | 13,437                | 3.8    | 510         | 33               | 12,433                | 488                   | 22         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 1004                  |                       |            |
| 1243238                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 7 NON-AI DAUGHTERS               |     | 7           | 16,370                | 3.5    | 566         |                  |                       |                       |            |
| STATES- 35                   | 7 WITH HERD-MATES                |     | 7           | 16,370                | 3.5    | 566         | 6                | 14,222                | 515                   | 51         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 2148                  |                       |            |
| 1243259                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 6 NON-AI DAUGHTERS               |     | 9           | 15,412                | 3.8    | 589         |                  |                       |                       |            |
| STATES- 91                   | 5 WITH HERD-MATES                |     | 7           | 14,947                | 4.0    | 594         | 3                | 13,828                | 526                   | 68         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 1119                  |                       |            |
| 1243347                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 5 NON-AI DAUGHTERS               |     | 13          | 14,802                | 3.9    | 570         |                  |                       |                       |            |
| STATES- 23,31                | 5 WITH HERD-MATES                |     | 13          | 14,802                | 3.9    | 570         | 10               | 14,244                | 547                   | 23         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 558                   |                       |            |
| 1243375                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 7 NON-AI DAUGHTERS               |     | 7           | 11,776                | 3.5    | 414         |                  |                       |                       |            |
| STATES- 21                   | 7 WITH HERD-MATES                |     | 7           | 11,776                | 3.5    | 414         | 9                | 13,103                | 453                   | 39-        |
|                              |                                  |     |             |                       |        |             | DIFF.            | 1327-                 |                       |            |
| 1243656                      | HOWACRES HOMESTEAD CHIEFTAN..... |     |             |                       |        |             |                  |                       |                       |            |
| 10-18-54                     | 1038118 2645273                  | 161 | 269         | 12,526                | 3.8    | 475         |                  |                       |                       |            |
| AI STUD, 16-04               | LISTED, 08-63                    | 159 | 263         | 12,546                | 3.8    | 476         | 13               | 12,691                | 473                   | 12,053 450 |
| STATES- 12,13,14,16,21       |                                  |     |             |                       |        |             | DIFF.            | 145-                  | 3                     |            |
|                              | 8 NON-AI DAUGHTERS               |     | 18          | 14,308                | 3.9    | 564         |                  |                       |                       |            |
|                              | 8 WITH HERD-MATES                |     | 18          | 14,308                | 3.9    | 564         | 6                | 14,063                | 539                   | 25         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 245                   |                       |            |
| 1243697                      | LAKEFIELD FOND HDPE.....         |     |             |                       |        |             |                  |                       |                       |            |
| 12-04-54                     | 010212300 3232651                | 107 | 187         | 12,861                | 3.7    | 480         |                  |                       |                       |            |
| AI STUD, 31-01               | LISTED, 08-63                    | 107 | 187         | 12,861                | 3.7    | 480         | 14               | 12,589                | 463                   | 17         |
| STATES- 47,48,51,63,71,73,87 |                                  |     |             |                       |        |             | DIFF.            | 272                   |                       |            |
| 1243973                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 17 NON-AI DAUGHTERS              |     | 49          | 15,888                | 3.6    | 578         |                  |                       |                       |            |
| STATES- 91                   | 17 WITH HERD-MATES               |     | 49          | 15,888                | 3.6    | 578         | 32               | 15,631                | 545                   | 33         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 257                   |                       |            |
| 1244118                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 7 AI DAUGHTERS                   |     | 7           | 13,650                | 3.8    | 514         |                  |                       |                       |            |
| AI STUD, 93-08               | 7 WITH HERD-MATES                |     | 7           | 13,650                | 3.8    | 514         | 69               | 15,858                | 592                   | 11,474 421 |
| STATES- 93                   |                                  |     |             |                       |        |             | DIFF.            | 2208-                 | 78-                   |            |
| 1244174                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 5 NON-AI DAUGHTERS               |     | 12          | 9,383                 | 3.7    | 345         |                  |                       |                       |            |
| STATES- 71                   | 5 WITH HERD-MATES                |     | 12          | 9,383                 | 3.7    | 345         | 30               | 10,784                | 366                   | 21-        |
|                              |                                  |     |             |                       |        |             | DIFF.            | 1401-                 |                       |            |
| 1244185                      | PFTRC N D B S NUDINE.....        |     |             |                       |        |             |                  |                       |                       |            |
| 11-13-52                     | 846856 3653740                   | 193 | 234         | 13,020                | 3.8    | 494         |                  |                       |                       |            |
| AI STUD, 11-01               | LISTED, 08-63                    | 189 | 230         | 13,024                | 3.8    | 495         | 14               | 12,606                | 472                   | 12,572 468 |
| STATES- 11                   |                                  |     |             |                       |        |             | DIFF.            | 418                   | 23                    |            |
|                              | 36 NON-AI DAUGHTERS              |     | 90          | 13,448                | 3.9    | 524         |                  |                       |                       |            |
|                              | 36 WITH HERD-MATES               |     | 90          | 13,448                | 3.9    | 524         | 15               | 12,785                | 495                   | 29         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 663                   |                       |            |
| 1244304                      | WIS VENTURE.....                 |     |             |                       |        |             |                  |                       |                       |            |
| 01-06-55                     | 1192327 3408369                  | 14  | 30          | 13,689                | 3.6    | 492         |                  |                       |                       |            |
| AI STUD, 63-02               | LISTED, 08-63                    | 14  | 30          | 13,689                | 3.6    | 492         | 10               | 13,520                | 504                   | 12-        |
| STATES- 35,61                |                                  |     |             |                       |        |             | DIFF.            | 169                   |                       |            |
| 1244487                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 6 NON-AI DAUGHTERS               |     | 7           | 14,343                | 3.4    | 493         |                  |                       |                       |            |
| STATES- 41                   | 5 WITH HERD-MATES                |     | 6           | 15,044                | 3.5    | 520         | 21               | 13,696                | 478                   | 42         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 1348                  |                       |            |
| 1244520                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 5 NON-AI DAUGHTERS               |     | 5           | 8,834                 | 3.7    | 328         |                  |                       |                       |            |
| STATES- 16                   | 5 WITH HERD-MATES                |     | 5           | 8,834                 | 3.7    | 328         | 4                | 11,161                | 398                   | 70-        |
|                              |                                  |     |             |                       |        |             | DIFF.            | 2327-                 |                       |            |
| 1244522                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 5 NON-AI DAUGHTERS               |     | 6           | 15,527                | 3.6    | 562         |                  |                       |                       |            |
| STATES- 31                   | 5 WITH HERD-MATES                |     | 5           | 15,436                | 3.6    | 559         | 5                | 13,916                | 499                   | 60         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 1520                  |                       |            |
| 1244611                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 5 NON-AI DAUGHTERS               |     | 8           | 11,850                | 3.3    | 394         |                  |                       |                       |            |
| STATES- 23,31                | 5 WITH HERD-MATES                |     | 8           | 11,850                | 3.3    | 394         | 14               | 10,496                | 380                   | 14         |
|                              |                                  |     |             |                       |        |             | DIFF.            | 1354                  |                       |            |
| 1244804                      | .....                            |     |             |                       |        |             |                  |                       |                       |            |
|                              | 6 NON-AI DAUGHTERS               |     | 8           | 14,248                | 3.8    | 546         |                  |                       |                       |            |
| STATES- 52                   | 6 WITH HERD-MATES                |     | 8           | 14,248                | 3.8    | 546         | 13               | 14,408                | 546                   |            |
|                              |                                  |     |             |                       |        |             | DIFF.            | 160-                  |                       |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |   |     |                  |     | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | FAT L8 |
|----------------|---|-----|------------------|-----|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 1244844        | GRAY VIEW SYM8DL CRITERION.....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 09-10-54       | 1189593 3474318   | 21  | AI DAUGHTERS     | 35  | 13,591      | 3.7                   | 501    |             |                 |                    |            |                       |        |
| AI STUD, 33-03 | LISTED, 08-63   | 21  | WITH HERD-MATES  | 35  | 13,591      | 3.7                   | 501    |             |                 | 19                 | 13,693     | 503                   | 12,169 |
| STATES-        | 33,35,63,74   |     |                  |     |             |                       |        |             |                 | DIFF.              | 102-       | 2-                    | 447    |
|                |   | 5   | NON-AI DAUGHTERS | 10  | 13,892      | 3.7                   | 519    |             |                 | 28                 | 13,887     | 520                   |        |
|                |   | 5   | WITH HERD-MATES  | 10  | 13,892      | 3.7                   | 519    |             |                 | DIFF.              | 5          | 1-                    |        |
| 1244845        | GRAY VIEW SKYLINER.....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 09-15-54       | 1189593 3352652   | 164 | AI DAUGHTERS     | 164 | 13,776      | 3.6                   | 499    |             |                 |                    |            |                       |        |
| AI STUD, 33-03 | LISTED, 08-63   | 156 | WITH HERD-MATES  | 156 | 13,855      | 3.6                   | 501    |             |                 | 13                 | 13,401     | 496                   | 12,670 |
| STATES-        | 12,13,14,15,16,21,23,31,32,33,34,35,41,42,43,46,48,50,51,52,54,57,64,74,86,87 | 95  | NON-AI DAUGHTERS | 147 | 14,928      | 3.6                   | 540    |             |                 | DIFF.              | 454        | 5                     | 453    |
|                |   | 95  | WITH HERD-MATES  | 146 | 14,948      | 3.6                   | 540    |             |                 | 18                 | 13,635     | 505                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 1313       | 35                    |        |
| 1244853        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 7   | NON-AI DAUGHTERS | 8   | 12,409      | 3.4                   | 423    |             |                 |                    |            |                       |        |
| STATES-        | 41  | 5   | WITH HERD-MATES  | 5   | 13,538      | 3.5                   | 468    |             |                 | 8                  | 11,473     | 411                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 2065       | 57                    |        |
| 1245390        | MUDSEHEART PRESIDENT.....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 09-02-54       | 1109640 3223576   | 25  | AI DAUGHTERS     | 26  | 13,535      | 3.5                   | 471    |             |                 |                    |            |                       |        |
| AI STUD, 35-05 | LISTED, 08-63   | 25  | WITH HERD-MATES  | 26  | 13,535      | 3.5                   | 471    |             |                 | 15                 | 12,431     | 452                   | 12,895 |
| STATES-        | 23,33,35,41,42  |     |                  |     |             |                       |        |             |                 | DIFF.              | 1104       | 19                    | 457    |
|                |   | 8   | NON-AI DAUGHTERS | 16  | 14,954      | 3.9                   | 585    |             |                 | 16                 | 14,322     | 556                   |        |
|                |   | 8   | WITH HERD-MATES  | 16  | 14,954      | 3.9                   | 585    |             |                 | DIFF.              | 632        | 29                    |        |
| 1245431        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 5   | NON-AI DAUGHTERS | 5   | 9,752       | 3.6                   | 348    |             |                 |                    |            |                       |        |
| STATES-        | 65  | 4   | WITH HERD-MATES  | 4   | 9,690       | 3.7                   | 357    |             |                 | 10                 | 11,021     | 386                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 1331-      | 29-                   |        |
| 1245520        | STGWMONT MASTERDEAN VALIANT.....  |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 12-09-54       | 929962 2959627  | 101 | AI DAUGHTERS     | 218 | 13,639      | 3.5                   | 482    |             |                 |                    |            |                       |        |
| AI STUD, 21-01 | LISTED, 08-63   | 90  | WITH HERD-MATES  | 200 | 13,662      | 3.5                   | 482    |             |                 | 17                 | 12,811     | 464                   | 12,944 |
| STATES-        | 13,21,23  |     |                  |     |             |                       |        |             |                 | DIFF.              | 851        | 18                    | 462    |
| 1245535        | OAK EDGE BONNIE BURKE.....  |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 04-21-54       | 1104796 3324791   | 36  | NON-AI DAUGHTERS | 75  | 15,530      | 3.8                   | 593    |             |                 |                    |            |                       |        |
| AI STUD, 63-01 | LISTED, 08-63   | 36  | WITH HERD-MATES  | 75  | 15,530      | 3.8                   | 593    |             |                 | 6                  | 14,957     | 580                   |        |
| STATES-        | 34  |     |                  |     |             |                       |        |             |                 | DIFF.              | 573        | 13                    |        |
| 1245671        | GLENMDRE REGENT.....  |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 11-09-54       | 1143067 3009623   | 8   | AI DAUGHTERS     | 8   | 13,290      | 3.9                   | 513    |             |                 |                    |            |                       |        |
| AI STUD, 35-01 | LISTED, 08-63   | 8   | WITH HERD-MATES  | 8   | 13,290      | 3.9                   | 513    |             |                 | 12                 | 12,236     | 445                   | 12,561 |
| STATES-        | 35,41   |     |                  |     |             |                       |        |             |                 | DIFF.              | 1054       | 68                    | 471    |
| 1245832        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 8   | NON-AI DAUGHTERS | 9   | 12,935      | 3.9                   | 505    |             |                 |                    |            |                       |        |
| STATES-        | 21  | 8   | WITH HERD-MATES  | 9   | 12,935      | 3.9                   | 505    |             |                 | 17                 | 13,494     | 523                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 559-       | 18-                   |        |
| 1245850        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 11  | NON-AI DAUGHTERS | 11  | 12,942      | 3.4                   | 439    |             |                 |                    |            |                       |        |
| STATES-        | 21  | 8   | WITH HERD-MATES  | 8   | 12,641      | 3.4                   | 431    |             |                 | 33                 | 13,908     | 502                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 1267-      | 71-                   |        |
| 1245989        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 5   | NON-AI DAUGHTERS | 11  | 11,814      | 3.8                   | 452    |             |                 |                    |            |                       |        |
| STATES-        | 21  | 5   | WITH HERD-MATES  | 11  | 11,814      | 3.8                   | 452    |             |                 | 12                 | 12,206     | 449                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 392-       | 3                     |        |
| 1246181        | HONEYWOOD MASTERPIECE CHIEF.....  |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 12-08-54       | 1080157 3181220   | 12  | NON-AI DAUGHTERS | 22  | 14,501      | 3.8                   | 550    |             |                 |                    |            |                       |        |
| AI STUD, 63-02 | LISTED, 08-63   | 10  | WITH HERD-MATES  | 18  | 14,085      | 3.8                   | 533    |             |                 | 10                 | 14,205     | 517                   |        |
| STATES-        | 34,35   |     |                  |     |             |                       |        |             |                 | DIFF.              | 120-       | 16                    |        |
| 1246183        | KCSAFE CALIBAN.....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 09-02-53       | D10121004 D10813661   | 368 | AI DAUGHTERS     | 578 | 13,181      | 3.4                   | 449    |             |                 |                    |            |                       |        |
| AI STUD, 31-02 | LISTED, 08-63   | 359 | WITH HERD-MATES  | 563 | 13,210      | 3.4                   | 449    |             |                 | 20                 | 13,101     | 468                   | 12,333 |
| STATES-        | 23,31,32,34,43,54,55,56,57,58,61,64,74,84                                     |     |                  |     |             |                       |        |             |                 | DIFF.              | 109        | 19-                   | 428    |
|                |   | 1   | NON-AI DAUGHTERS | 1   | 10,090      | 3.7                   | 372    |             |                 |                    |            |                       |        |
|                |   | 1   | WITH HERD-MATES  | 1   | 10,090      | 3.7                   | 372    |             |                 | 2                  | 11,968     | 454                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 1878-      | 82-                   |        |
| 1246300        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 5   | NON-AI DAUGHTERS | 5   | 14,018      | 3.3                   | 465    |             |                 |                    |            |                       |        |
| STATES-        | 21  | 5   | WITH HERD-MATES  | 5   | 14,018      | 3.3                   | 465    |             |                 | 13                 | 13,262     | 469                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 756        | 4-                    |        |
| 1246377        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 5   | NON-AI DAUGHTERS | 7   | 13,031      | 3.5                   | 450    |             |                 |                    |            |                       |        |
| STATES-        | 43  | 5   | WITH HERD-MATES  | 7   | 13,031      | 3.5                   | 450    |             |                 | 10                 | 12,357     | 447                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 674        | 3                     |        |
| 1246671        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 6   | NON-AI DAUGHTERS | 6   | 12,782      | 3.6                   | 456    |             |                 |                    |            |                       |        |
| STATES-        | 31,51   | 6   | WITH HERD-MATES  | 6   | 12,782      | 3.6                   | 456    |             |                 | 7                  | 12,419     | 455                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 363        | 1                     |        |
| 1246729        | JDNDALE RAVEN.....  |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
| 02-09-54       | 909839 2473024  | 480 | AI DAUGHTERS     | 735 | 12,031      | 3.9                   | 474    |             |                 |                    |            |                       |        |
| AI STUD, 41-25 | LISTED, 08-63   | 438 | WITH HERD-MATES  | 670 | 12,049      | 3.9                   | 475    |             |                 | 14                 | 12,615     | 462                   | 11,633 |
| STATES-        | 35,41,42,45,46,47,72  |     |                  |     |             |                       |        |             |                 | DIFF.              | 566-       | 13                    | 459    |
|                |   | 10  | NON-AI DAUGHTERS | 27  | 12,020      | 4.1                   | 492    |             |                 |                    |            |                       |        |
|                |   | 8   | WITH HERD-MATES  | 24  | 11,918      | 4.0                   | 478    |             |                 | 8                  | 12,626     | 456                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 708-       | 22                    |        |
| 1246864        | .....   |     |                  |     |             |                       |        |             |                 |                    |            |                       |        |
|                |   | 5   | NON-AI DAUGHTERS | 11  | 10,660      | 3.6                   | 384    |             |                 |                    |            |                       |        |
| STATES-        | 21  | 3   | WITH HERD-MATES  | 7   | 9,770       | 3.4                   | 336    |             |                 | 22                 | 12,040     | 430                   |        |
|                |   |     |                  |     |             |                       |        |             |                 | DIFF.              | 2270-      | 94-                   |        |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|--|------------------------|---------------------|---------------|
| RECORDS  | MILK                   | MILK                | MILK          |
| NUMBER   | L8                     | L8                  | L8            |
| TEST   | FAT                    | FAT                 | FAT           |
| %  | L8                     | L8                  | L8            |
| 1247008 ALBRECHT TRADE MARK BURKE LAD.....       |                        |                     |               |
| 09-23-54 1195221 3243903 29 NON-AI DAUGHTERS     | 49 13,291 3.8 501      |                     |               |
| AI STUD, 41-01 LISTED, 08-63 29 WITH HERD-MATES  | 48 13,332 3.8 501      | 8 13,034 460        |               |
| STATES- 41                                       |                        | DIFF. 298 41        |               |
| 1247009 ALBRECHT TRADEMARK.....                  |                        |                     |               |
| 09-24-54 1195221 2925648 29 NON-AI DAUGHTERS     | 56 13,994 3.6 502      |                     |               |
| AI STUD, 41-01 LISTED, 08-63 29 WITH HERD-MATES  | 56 13,994 3.6 502      | 11 13,522 474       |               |
| STATES- 41                                       |                        | DIFF. 472 28        |               |
| 1247076 FALLON ACRES DEAN RAVEN.....             |                        |                     |               |
| 09-24-54 955619 2973978 69 AI DAUGHTERS          | 91 12,969 3.7 477      |                     |               |
| AI STUD, 21-01 LISTED, 08-63 69 WITH HERD-MATES  | 91 12,969 3.7 477      | 21 13,475 487       | 11,819 439    |
| STATES- 13,14,21                                 |                        | DIFF. 506- 10-      |               |
|  | 2 NON-AI DAUGHTERS     |                     |               |
|  | 2 WITH HERD-MATES      | 13 12,190 435       |               |
|  |                        | DIFF. 1410- 44-     |               |
| 1247105 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 23                                       | 4 WITH HERD-MATES      | 11 12,176 3.7 451   |               |
|  |                        | 10 13,365 3.7 493   |               |
|  |                        | DIFF. 581 9         |               |
| 1247237 BREEZEWOOD CHAMPION.....                 |                        |                     |               |
| 06-05-54 1190280 2182820 3 AI DAUGHTERS          | 3 13,853 3.8 529       |                     |               |
| AI STUD, 34-01 LISTED, 08-63 3 WITH HERD-MATES   | 3 13,853 3.8 529       | 11 14,985 567       | 11,966 439    |
| STATES- 23,31,34                                 |                        | DIFF. 1132- 38-     |               |
|  | 30 NON-AI DAUGHTERS    |                     |               |
|  | 29 WITH HERD-MATES     | 10 15,705 536       |               |
|  |                        | DIFF. 261 64        |               |
| 1247458 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 33,43                                    | 5 WITH HERD-MATES      | 6 13,154 3.7 490    |               |
|  |                        | 6 13,154 3.7 490    |               |
|  |                        | DIFF. 1386 26       |               |
| 1247465 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 23                                       | 5 WITH HERD-MATES      | 6 12,293 3.3 410    |               |
|  |                        | 6 12,293 3.3 410    |               |
|  |                        | DIFF. 1103- 73-     |               |
| 1247527 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 21,57                                    | 5 WITH HERD-MATES      | 8 12,757 3.4 434    |               |
|  |                        | 8 12,757 3.4 434    |               |
|  |                        | DIFF. 2246 50       |               |
| 1247758 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 33                                       | 5 WITH HERD-MATES      | 7 13,271 3.7 497    |               |
|  |                        | 7 13,271 3.7 497    |               |
|  |                        | DIFF. 314 5         |               |
| 1247918 .....                                    |                        |                     |               |
|  | 7 NON-AI DAUGHTERS     |                     |               |
| STATES- 21                                       | 7 WITH HERD-MATES      | 7 13,944 3.9 540    |               |
|  |                        | 7 13,944 3.9 540    |               |
|  |                        | DIFF. 569 53        |               |
| 1248124 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 12,14                                    | 4 WITH HERD-MATES      | 7 9,636 3.3 322     |               |
|  |                        | 5 9,950 3.3 327     |               |
|  |                        | DIFF. 2178- 129-    |               |
| 1248274 WHITILL MONDVAR.....                     |                        |                     |               |
| 06-01-52 1058580 3012984 20 AI DAUGHTERS         | 20 11,727 4.1 480      |                     |               |
| AI STUD, 35-04 LISTED, 08-63 20 WITH HERD-MATES  | 20 11,727 4.1 480      | 11 13,162 482       | 11,309 445    |
| STATES- 33,35,57,61,74                           |                        | DIFF. 1435- 2-      |               |
|  | 4 NON-AI DAUGHTERS     |                     |               |
|  | 4 WITH HERD-MATES      | 7 12,194 4.1 497    |               |
|  |                        | 7 12,194 4.1 497    |               |
|  |                        | DIFF. 562 46        |               |
| 1248311 STRATHAVEN EMINENT.....                  |                        |                     |               |
| 07-29-50 1149833 010363043 926 AI DAUGHTERS      | 1918 12,561 3.7 465    |                     |               |
| AI STUD, 23-04 LISTED, 08-63 918 WITH HERD-MATES | 1892 12,575 3.7 465    | 12 13,037 489       | 11,770 424    |
| STATES- 21,22,23,50,51                           |                        | DIFF. 462- 24-      |               |
|  | 10 NON-AI DAUGHTERS    |                     |               |
|  | 10 WITH HERD-MATES     | 10 12,210 450       |               |
|  |                        | DIFF. 1059- 32-     |               |
| 1248558 .....                                    |                        |                     |               |
|  | 6 NON-AI DAUGHTERS     |                     |               |
| STATES- 35,41                                    | 6 WITH HERD-MATES      | 7 13,056 3.9 505    |               |
|  |                        | 6 13,372 3.8 514    |               |
|  |                        | DIFF. 39- 490       |               |
| 1248783 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 52                                       | 5 WITH HERD-MATES      | 5 9,696 3.6 346     |               |
|  |                        | 5 9,696 3.6 346     |               |
|  |                        | DIFF. 227- 2        |               |
| 1249318 DAWNVALE PRILLY SEGIS.....               |                        |                     |               |
| 09-13-54 863756 2936306 179 AI DAUGHTERS         | 255 13,406 3.6 478     |                     |               |
| AI STUD, 21-01 LISTED, 08-63 167 WITH HERD-MATES | 240 13,466 3.6 480     | 17 13,158 477       | 12,516 450    |
| STATES- 13,14,21,23                              |                        | DIFF. 308 3         |               |
|  | 6 NON-AI DAUGHTERS     |                     |               |
|  | 6 WITH HERD-MATES      | 14 11,933 433       |               |
|  |                        | DIFF. 360 10-       |               |
| 1249356 .....                                    |                        |                     |               |
|  | 9 NON-AI DAUGHTERS     |                     |               |
| STATES- 31                                       | 9 WITH HERD-MATES      | 9 11,720 3.4 396    |               |
|  |                        | 9 11,720 3.4 396    |               |
|  |                        | DIFF. 890- 449      |               |
| 1249406 .....                                    |                        |                     |               |
|  | 5 NON-AI DAUGHTERS     |                     |               |
| STATES- 21                                       | 5 WITH HERD-MATES      | 8 12,276 4.0 486    |               |
|  |                        | 8 12,276 4.0 486    |               |
|  |                        | DIFF. 816- 466      |               |
|  |                        |                     | 20            |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                             |                     |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|--------------------------------------|---------------------|-----|------------------------|---------------------|---------------|
|                                      |                     |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|                                      |                     |     | NUMBER LB % LB         | NUMBER LB LB        | LB LB         |
| 1252193 .....                        | 12 NON-AI DAUGHTERS | 17  | 11,007 3.7 410         |                     |               |
| STATES- 13,16                        | 12 WITH HERD-MATES  | 17  | 11,007 3.7 410         | 9 11,483 429        |               |
|                                      |                     |     |                        | DIFF. 476- 19-      |               |
| 1252231 HOUSEHEART ROYAL AIM.....    | 23 AI DAUGHTERS     | 33  | 15,405 4.0 621         |                     |               |
| 12-15-54 1024453 2579688             | 23 WITH HERD-MATES  | 33  | 15,405 4.0 621         | 55 16,095 601       | 11,944 467    |
| AI STUD, 93-10 LISTED, 08-63         |                     |     |                        | DIFF. 690- 20       |               |
| STATES- 23,33,42,64,93               | 4 NON-AI DAUGHTERS  | 10  | 13,430 4.2 570         | 20 14,833 573       |               |
|                                      | 4 WITH HERD-MATES   | 10  | 13,430 4.2 570         | DIFF. 1403- 3-      |               |
| 1252248 .....                        | 15 NON-AI DAUGHTERS | 15  | 10,309 4.0 412         |                     |               |
| STATES- 12                           | 15 WITH HERD-MATES  | 15  | 10,309 4.0 412         | 14 12,409 455       |               |
|                                      |                     |     |                        | DIFF. 2100- 43-     |               |
| 1252279 .....                        | 12 NON-AI DAUGHTERS | 12  | 12,241 4.0 487         |                     |               |
| STATES- 21                           | 12 WITH HERD-MATES  | 12  | 12,241 4.0 487         | 10 11,780 439       |               |
|                                      |                     |     |                        | DIFF. 461 48        |               |
| 1252934 SPRUCE LAWN WAYDECC.....     | 103 AI DAUGHTERS    | 222 | 13,844 3.6 499         |                     |               |
| 03-12-55 837025 2778214              | 99 WITH HERD-MATES  | 216 | 13,880 3.6 500         | 18 13,058 474       | 12,948 470    |
| AI STUD, 21-01 LISTED, 08-63         |                     |     |                        | DIFF. 822 26        |               |
| STATES- 13,21,51                     |                     |     |                        |                     |               |
| 1253032 PARST CHIEFTAIN.....         | 39 NON-AI DAUGHTERS | 72  | 13,182 3.6 478         |                     |               |
| 10-15-54 915940 3095699              | 39 WITH HERD-MATES  | 71  | 13,192 3.6 478         | 12 13,456 493       |               |
| AI STUD, 34-01 LISTED, 08-63         |                     |     |                        | DIFF. 264- 15-      |               |
| STATES- 34                           |                     |     |                        |                     |               |
| 1253075 .....                        | 5 NON-AI DAUGHTERS  | 6   | 11,641 3.6 414         |                     |               |
| STATES- 23                           | 5 WITH HERD-MATES   | 6   | 11,641 3.6 414         | 6 11,107 403        |               |
|                                      |                     |     |                        | DIFF. 534 11        |               |
| 1253078 .....                        | 5 NON-AI DAUGHTERS  | 5   | 16,908 3.5 594         |                     |               |
| STATES- 93                           | 5 WITH HERD-MATES   | 5   | 16,908 3.5 594         | 37 15,543 572       |               |
|                                      |                     |     |                        | DIFF. 1365 22       |               |
| 1253143 LAVACRES MAGIC.....          | 18 AI DAUGHTERS     | 28  | 15,573 3.5 545         |                     |               |
| 02-07-55 1138451 2458516             | 18 WITH HERD-MATES  | 28  | 15,573 3.5 545         | 56 16,412 558       | 11,888 443    |
| AI STUD, 93-01 LISTED, 08-63         |                     |     |                        | DIFF. 839- 13-      |               |
| STATES- 93                           |                     |     |                        |                     |               |
| 1253351 SOVEREIGN EXRANCO MAGIC..... | 11 AI DAUGHTERS     | 22  | 15,507 3.9 610         |                     |               |
| 10-31-54 1138451 3596419             | 11 WITH HERD-MATES  | 22  | 15,507 3.9 610         | 131 15,467 562      | 12,310 472    |
| AI STUD, 93-03 LISTED, 08-63         |                     |     |                        | DIFF. 40 48         |               |
| STATES- 93                           |                     |     |                        |                     |               |
| 1253803 O. D. I. BUREMPJER ACME..... | 19 AI DAUGHTERS     | 26  | 12,173 3.6 443         |                     |               |
| 01-01-55 833599 3291387              | 19 WITH HERD-MATES  | 26  | 12,173 3.6 443         | 28 11,908 425       | 12,283 454    |
| AI STUD, 72-01 LISTED, 08-63         |                     |     |                        | DIFF. 265 18        |               |
| STATES- 72                           |                     |     |                        |                     |               |
| 1253856 .....                        | 5 NON-AI DAUGHTERS  | 11  | 10,061 3.6 358         |                     |               |
| STATES- 42                           | 4 WITH HERD-MATES   | 10  | 10,846 3.5 383         | 8 10,672 382        |               |
|                                      |                     |     |                        | DIFF. 174 1         |               |
| 1254244 .....                        | 7 NON-AI DAUGHTERS  | 11  | 12,423 3.2 399         |                     |               |
| STATES- 35                           | 6 WITH HERD-MATES   | 9   | 12,163 3.2 384         | 10 12,153 430       |               |
|                                      |                     |     |                        | DIFF. 10 46-        |               |
| 1254472 .....                        | 8 NON-AI DAUGHTERS  | 8   | 12,478 3.7 466         |                     |               |
| STATES- 13,21                        | 8 WITH HERD-MATES   | 8   | 12,478 3.7 466         | 12 13,112 470       |               |
|                                      |                     |     |                        | DIFF. 634- 4-       |               |
| 1254691 .....                        | 6 NON-AI DAUGHTERS  | 7   | 12,598 3.6 450         |                     |               |
| STATES- 63                           | 6 WITH HERD-MATES   | 7   | 12,598 3.6 450         | 17 11,361 411       |               |
|                                      |                     |     |                        | DIFF. 1237 39       |               |
| 1254768 .....                        | 12 NON-AI DAUGHTERS | 13  | 12,129 3.7 447         |                     |               |
| STATES- 12                           | 12 WITH HERD-MATES  | 13  | 12,129 3.7 447         | 13 12,786 482       |               |
|                                      |                     |     |                        | DIFF. 657- 35-      |               |
| 1254782 .....                        | 10 NON-AI DAUGHTERS | 10  | 13,763 3.4 468         |                     |               |
| STATES- 43                           | 10 WITH HERD-MATES  | 10  | 13,763 3.4 468         | 10 12,790 453       |               |
|                                      |                     |     |                        | DIFF. 973 15        |               |
| 1254887 UNH CHARIOFEER.....          | 34 NON-AI DAUGHTERS | 63  | 12,960 3.9 507         |                     |               |
| 01-22-55 1071565 3270384             | 34 WITH HERD-MATES  | 63  | 12,960 3.9 507         | 11 12,455 473       |               |
| AI STUD, 12-03 LISTED, 08-63         |                     |     |                        | DIFF. 505 34        |               |
| STATES- 12,13                        |                     |     |                        |                     |               |
| 1254928 .....                        | 8 NON-AI DAUGHTERS  | 11  | 12,660 3.5 446         |                     |               |
| STATES- 55                           | 8 WITH HERD-MATES   | 11  | 12,660 3.5 446         | 19 11,494 425       |               |
|                                      |                     |     |                        | DIFF. 1166 21       |               |
| 1255068 .....                        | 5 NON-AI DAUGHTERS  | 6   | 12,257 3.8 469         |                     |               |
| STATES- 35                           | 5 WITH HERD-MATES   | 6   | 12,257 3.8 469         | 10 11,979 448       |               |
|                                      |                     |     |                        | DIFF. 278 21        |               |



| Sires of Data Daughters                  |               |         |     |                  | AV. RECORDS | PRODUCTION OF MILK L8 | OF TEST % | OF OAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|--|---------------|---------|-----|------------------|-------------|-----------------------|-----------|----------------|-----------------|--------------------|------------|-------------------|------------|
| HOLSTEIN                                 |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 1255077 U. N. H. CHANCELLOR.....         |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 04-24-55                                 | 972500        | 3518164 | 23  | NON-AI DAUGHTERS | 31          | 13,777                | 3.3       | 460            |                 |                    |            |                   |            |
| AI STUD, 35-04                           | LISTED, 08-63 |         | 23  | WITH HERD-MATES  | 31          | 13,777                | 3.3       | 460            | 20              | 12,703             | 456        |                   |            |
| STATES- 35,42                            |               |         |     |                  |             |                       |           |                | DIFF.           | 1074               | 4          |                   |            |
| 1255108 VIGO RAVEN ROBURKE.....          |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 11-05-54                                 | 909839        | 3494405 | 11  | AI DAUGHTERS     | 11          | 12,251                | 3.4       | 421            |                 |                    |            |                   |            |
| AI STUD, 35-01                           | LISTED, 08-63 |         | 11  | WITH HERD-MATES  | 11          | 12,251                | 3.4       | 421            | 25              | 11,732             | 412        | 12,360            | 447        |
| STATES- 35,71,94                         |               |         |     |                  |             |                       |           |                | DIFF.           | 519                | 9          |                   |            |
|  |               |         | 13  | NON-AI DAUGHTERS | 15          | 12,860                | 3.5       | 444            |                 |                    |            |                   |            |
|  |               |         | 13  | WITH HERD-MATES  | 15          | 12,860                | 3.5       | 444            | 7               | 13,324             | 484        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 464-               | 40-        |                   |            |
| 1255434 IDEAL BURKE LOPEZ.....           |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 12-14-54                                 | 1013415       | 3722126 | 29  | NON-AI DAUGHTERS | 54          | 14,427                | 3.6       | 526            |                 |                    |            |                   |            |
| AI STUD, 35-05                           | LISTED, 08-63 |         | 29  | WITH HERD-MATES  | 54          | 14,427                | 3.6       | 526            | 8               | 13,930             | 525        |                   |            |
| STATES- 48                               |               |         |     |                  |             |                       |           |                | DIFF.           | 497                | 1          |                   |            |
| 1256038 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 9   | NON-AI DAUGHTERS | 13          | 13,462                | 3.6       | 478            |                 |                    |            |                   |            |
| STATES- 21                               |               |         | 8   | WITH HERD-MATES  | 12          | 13,640                | 3.5       | 482            | 10              | 14,029             | 516        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 389-               | 34-        |                   |            |
| 1256073 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 10  | NON-AI DAUGHTERS | 11          | 10,775                | 3.6       | 391            |                 |                    |            |                   |            |
| STATES- 63,64                            |               |         | 10  | WITH HERD-MATES  | 11          | 10,775                | 3.6       | 391            | 10              | 10,442             | 380        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 333                | 11         |                   |            |
| 1256240 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 6   | NON-AI DAUGHTERS | 10          | 11,061                | 3.7       | 406            |                 |                    |            |                   |            |
| STATES- 35                               |               |         | 6   | WITH HERD-MATES  | 10          | 11,061                | 3.7       | 406            | 12              | 11,537             | 414        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 476-               | 8-         |                   |            |
| 1256271 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 5   | NON-AI DAUGHTERS | 6           | 12,626                | 3.8       | 475            |                 |                    |            |                   |            |
| STATES- 43,73,74                         |               |         | 5   | WITH HERD-MATES  | 6           | 12,626                | 3.8       | 475            | 10              | 10,795             | 390        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 1831               | 85         |                   |            |
| 1256322 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 8   | NON-AI DAUGHTERS | 10          | 9,207                 | 3.4       | 312            |                 |                    |            |                   |            |
| STATES- 64                               |               |         | 8   | WITH HERD-MATES  | 10          | 9,207                 | 3.4       | 312            | 19              | 10,384             | 351        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 1177-              | 39-        |                   |            |
| 1256345 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 6   | NON-AI DAUGHTERS | 10          | 13,408                | 3.6       | 483            |                 |                    |            |                   |            |
| STATES- 21                               |               |         | 6   | WITH HERD-MATES  | 10          | 13,408                | 3.6       | 483            | 11              | 14,216             | 513        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 808-               | 30-        |                   |            |
| 1256427 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 7   | NON-AI DAUGHTERS | 14          | 11,940                | 3.7       | 438            |                 |                    |            |                   |            |
| STATES- 21                               |               |         | 7   | WITH HERD-MATES  | 14          | 11,940                | 3.7       | 438            | 25              | 12,781             | 464        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 841-               | 26-        |                   |            |
| 1256858 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 5   | NON-AI DAUGHTERS | 5           | 12,648                | 3.8       | 482            |                 |                    |            |                   |            |
| STATES- 51                               |               |         | 5   | WITH HERD-MATES  | 5           | 12,648                | 3.8       | 482            | 17              | 12,525             | 466        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 123                | 16         |                   |            |
| 1256928 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 6   | NON-AI DAUGHTERS | 7           | 12,338                | 3.7       | 454            |                 |                    |            |                   |            |
| STATES- 35                               |               |         | 6   | WITH HERD-MATES  | 7           | 12,338                | 3.7       | 454            | 26              | 12,379             | 437        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 41-                | 17         |                   |            |
| 1257052 SHANGHIGH DOUBLE EXEC HONEY..... |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 02-07-55                                 | 1194279       | 3606306 | 186 | AI DAUGHTERS     | 284         | 12,152                | 3.7       | 454            |                 |                    |            |                   |            |
| AI STUD, 33-02                           | LISTED, 08-63 |         | 184 | WITH HERD-MATES  | 279         | 12,149                | 3.7       | 454            | 15              | 12,170             | 452        | 12,118            | 447        |
| STATES- 33,35,65                         |               |         |     |                  |             |                       |           |                | DIFF.           | 21-                | 2          |                   |            |
| 1257239 KAYTEE BLOAT.....                |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 03-26-54                                 | 1083738       | 3051175 | 17  | NON-AI DAUGHTERS | 24          | 12,622                | 3.9       | 487            |                 |                    |            |                   |            |
| AI STUD, 31-01                           | LISTED, 08-63 |         | 17  | WITH HERD-MATES  | 24          | 12,622                | 3.9       | 487            | 11              | 13,302             | 493        |                   |            |
| STATES- 35,42                            |               |         |     |                  |             |                       |           |                | DIFF.           | 680-               | 6-         |                   |            |
| 1257240 KAYTEE ARISTOCRAT F08ES.....     |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 07-23-54                                 | 1083738       | 2851794 | 29  | NON-AI DAUGHTERS | 49          | 13,959                | 3.7       | 522            |                 |                    |            |                   |            |
| AI STUD, 31-01                           | LISTED, 08-63 |         | 27  | WITH HERD-MATES  | 44          | 13,981                | 3.7       | 524            | 16              | 13,985             | 514        |                   |            |
| STATES- 31,35,46                         |               |         |     |                  |             |                       |           |                | DIFF.           | 4-                 | 10         |                   |            |
| 1257580 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 8   | NON-AI DAUGHTERS | 8           | 11,730                | 4.0       | 468            |                 |                    |            |                   |            |
| STATES- 23,35                            |               |         | 7   | WITH HERD-MATES  | 7           | 11,536                | 4.1       | 469            | 14              | 13,048             | 491        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 1512-              | 22-        |                   |            |
| 1257762 CARNATION BUTTERBOY OIGNITY..... |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
| 02-25-55                                 | 1152252       | 3483639 | 8   | AI DAUGHTERS     | 8           | 10,656                | 3.7       | 394            |                 |                    |            |                   |            |
| AI STUD, 41-25                           | LISTED, 08-63 |         | 7   | WITH HERD-MATES  | 7           | 11,223                | 3.7       | 415            | 10              | 12,223             | 477        | 11,778            | 423        |
| STATES- 41,82,87                         |               |         |     |                  |             |                       |           |                | DIFF.           | 1000-              | 62-        |                   |            |
|  |               |         | 24  | NON-AI DAUGHTERS | 47          | 14,876                | 3.9       | 587            |                 |                    |            |                   |            |
|  |               |         | 23  | WITH HERD-MATES  | 46          | 14,602                | 4.0       | 580            | 10              | 13,521             | 530        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 1081               | 50         |                   |            |
| 1257815 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 6   | NON-AI DAUGHTERS | 9           | 13,221                | 3.7       | 486            |                 |                    |            |                   |            |
| STATES- 31                               |               |         | 5   | WITH HERD-MATES  | 8           | 13,559                | 3.7       | 499            | 6               | 12,765             | 469        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 794                | 30         |                   |            |
| 1257965 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 5   | NON-AI DAUGHTERS | 5           | 14,668                | 3.6       | 521            |                 |                    |            |                   |            |
| STATES- 23                               |               |         | 5   | WITH HERD-MATES  | 5           | 14,668                | 3.6       | 521            | 3               | 13,611             | 506        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 1057               | 15         |                   |            |
| 1258185 .....                            |               |         |     |                  |             |                       |           |                |                 |                    |            |                   |            |
|  |               |         | 7   | NON-AI DAUGHTERS | 10          | 9,765                 | 3.4       | 334            |                 |                    |            |                   |            |
| STATES- 64                               |               |         | 7   | WITH HERD-MATES  | 10          | 9,765                 | 3.4       | 334            | 19              | 10,167             | 342        |                   |            |
|  |               |         |     |                  |             |                       |           |                | DIFF.           | 402-               | 8-         |                   |            |

## SIRE OF OHIA DAUGHTERS

| HDLSTEIN                                  |    |                  | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK<br>LB | TEST<br>% | DAU.<br>FAT<br>LB | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK<br>LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK<br>LB | FAT<br>LB |
|---|----|------------------|-----------------------|-----------------------------|-----------|-------------------|--------------------|--------------------------|---------------|-----------------------------|-----------|
| 1258218 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 52,55                             | 6  | NON-AI DAUGHTERS | 6                     | 11,535                      | 3.4       | 388               |                    |                          |               |                             |           |
|   | 6  | WITH HERD-MATES  | 6                     | 11,535                      | 3.4       | 388               | 10                 | 11,658                   | 414           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 123-                     | 26-           |                             |           |
| 1258383 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 21,23                             | 5  | NON-AI DAUGHTERS | 7                     | 10,292                      | 3.6       | 369               |                    |                          |               |                             |           |
|   | 5  | WITH HERD-MATES  | 7                     | 10,292                      | 3.6       | 369               | 18                 | 12,128                   | 464           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 1836-                    | 95-           |                             |           |
| 1258443 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| AI STUO, 41-03                            | 2  | AI DAUGHTERS     | 2                     | 11,705                      | 3.6       | 421               |                    |                          |               |                             |           |
| STATES- 23,35,41                          | 2  | WITH HERD-MATES  | 2                     | 11,705                      | 3.6       | 421               | 12                 | 10,709                   | 395           | 12,254                      | 447       |
|   |    |                  |                       |                             |           |                   | OIFF.              | 996                      | 26            |                             |           |
|   | 3  | NON-AI DAUGHTERS | 6                     | 10,935                      | 3.8       | 417               |                    |                          |               |                             |           |
|   | 3  | WITH HERD-MATES  | 6                     | 10,935                      | 3.8       | 417               | 17                 | 12,746                   | 477           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 1811-                    | 60-           |                             |           |
| 1258487 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 73                                | 7  | NON-AI DAUGHTERS | 7                     | 10,870                      | 3.4       | 366               |                    |                          |               |                             |           |
|   | 7  | WITH HERD-MATES  | 7                     | 10,870                      | 3.4       | 366               | 15                 | 12,044                   | 438           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 1174-                    | 72-           |                             |           |
| 1258673 GREEN NOTCH SEGIS GINGER.....     |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| 08-16-54 1157409 3333442                  | 8  | AI DAUGHTERS     | 8                     | 11,286                      | 4.0       | 452               |                    |                          |               |                             |           |
| AI STUO, 35-75 LISTED, 08-63              | 8  | WITH HERD-MATES  | 8                     | 11,286                      | 4.0       | 452               | 9                  | 12,902                   | 461           | 11,519                      | 441       |
| STATES- 13,23,35,41,82                    |    |                  |                       |                             |           |                   | OIFF.              | 1616-                    | 9-            |                             |           |
|   | 22 | NON-AI DAUGHTERS | 43                    | 14,023                      | 4.3       | 597               |                    |                          |               |                             |           |
|   | 22 | WITH HERD-MATES  | 43                    | 14,023                      | 4.3       | 597               | 11                 | 15,304                   | 587           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 1281-                    | 10            |                             |           |
| 1258706 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 63                                | 8  | NON-AI DAUGHTERS | 8                     | 13,968                      | 3.7       | 514               |                    |                          |               |                             |           |
|   | 8  | WITH HERD-MATES  | 8                     | 13,968                      | 3.7       | 514               | 10                 | 13,044                   | 480           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 924                      | 34            |                             |           |
| 1258898 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 31                                | 12 | NON-AI DAUGHTERS | 12                    | 13,929                      | 3.4       | 476               |                    |                          |               |                             |           |
|   | 12 | WITH HERD-MATES  | 12                    | 13,929                      | 3.4       | 476               | 15                 | 14,162                   | 495           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 233-                     | 19-           |                             |           |
| 1258933 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 11                                | 5  | NON-AI DAUGHTERS | 5                     | 10,480                      | 3.8       | 403               |                    |                          |               |                             |           |
|   | 5  | WITH HERD-MATES  | 5                     | 10,480                      | 3.8       | 403               | 4                  | 10,396                   | 378           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 84                       | 25            |                             |           |
| 1259039 WIS VENUS SUPREME.....            |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| 06-13-55 1151280 2347083                  | 15 | NON-AI DAUGHTERS | 23                    | 13,241                      | 3.8       | 506               |                    |                          |               |                             |           |
| AI STUO, 35-03 LISTED, 08-63              | 15 | WITH HERD-MATES  | 23                    | 13,241                      | 3.8       | 506               | 23                 | 13,827                   | 506           |                             |           |
| STATES- 21,23,31,35,41,56                 |    |                  |                       |                             |           |                   | OIFF.              | 586-                     |               |                             |           |
| 1259069 POESTENKILL LEADER BELLE 80Y..... |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| 01-27-54 915940 3110975                   | 33 | NON-AI DAUGHTERS | 46                    | 15,513                      | 3.6       | 561               |                    |                          |               |                             |           |
| AI STUO, 35-75 LISTED, 08-63              | 33 | WITH HERD-MATES  | 45                    | 15,343                      | 3.6       | 560               | 18                 | 14,953                   | 556           |                             |           |
| STATES- 13,21                             |    |                  |                       |                             |           |                   | OIFF.              | 390                      | 4             |                             |           |
| 1259214 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 31,91,92                          | 5  | NON-AI DAUGHTERS | 8                     | 13,474                      | 3.8       | 508               |                    |                          |               |                             |           |
|   | 5  | WITH HERD-MATES  | 8                     | 13,474                      | 3.8       | 508               | 16                 | 14,350                   | 522           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 876-                     | 14-           |                             |           |
| 1259520 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 21                                | 5  | NON-AI DAUGHTERS | 11                    | 11,671                      | 3.8       | 448               |                    |                          |               |                             |           |
|   | 5  | WITH HERD-MATES  | 11                    | 11,671                      | 3.8       | 448               | 18                 | 13,391                   | 495           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 1720-                    | 47-           |                             |           |
| 1259668 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 23                                | 5  | NON-AI DAUGHTERS | 8                     | 11,042                      | 3.9       | 431               |                    |                          |               |                             |           |
|   | 5  | WITH HERD-MATES  | 8                     | 11,042                      | 3.9       | 431               | 21                 | 13,096                   | 509           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 2054-                    | 78-           |                             |           |
| 1259881 LILLYWHITE PRINCE.....            |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| 08-04-54 1235335 2705982                  | 49 | AI DAUGHTERS     | 49                    | 11,174                      | 3.6       | 401               |                    |                          |               |                             |           |
| AI STUO, 42-02 LISTED, 08-63              | 46 | WITH HERD-MATES  | 46                    | 11,282                      | 3.6       | 405               | 15                 | 12,058                   | 441           | 11,516                      | 416       |
| STATES- 41,42,47,85,87                    |    |                  |                       |                             |           |                   | OIFF.              | 776-                     | 36-           |                             |           |
|   | 25 | NON-AI DAUGHTERS | 50                    | 13,398                      | 3.6       | 477               |                    |                          |               |                             |           |
|   | 25 | WITH HERD-MATES  | 50                    | 13,398                      | 3.6       | 477               | 20                 | 13,359                   | 488           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 39                       | 11-           |                             |           |
| 1260052 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 81,87                             | 7  | NON-AI DAUGHTERS | 7                     | 13,851                      | 3.6       | 504               |                    |                          |               |                             |           |
|   | 7  | WITH HERD-MATES  | 7                     | 13,851                      | 3.6       | 504               | 48                 | 13,470                   | 485           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 381                      | 19            |                             |           |
| 1260140 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 52                                | 5  | NON-AI DAUGHTERS | 10                    | 12,508                      | 3.6       | 453               |                    |                          |               |                             |           |
|   | 5  | WITH HERD-MATES  | 10                    | 12,508                      | 3.6       | 453               | 57                 | 11,530                   | 421           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 978                      | 32            |                             |           |
| 1260258 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| STATES- 35                                | 10 | NON-AI DAUGHTERS | 11                    | 14,771                      | 3.7       | 543               |                    |                          |               |                             |           |
|   | 9  | WITH HERD-MATES  | 10                    | 14,558                      | 3.6       | 530               | 4                  | 12,902                   | 476           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 1656                     | 54            |                             |           |
| 1260264 CHRISTY HOMESTEAD ASPIRANT.....   |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| 02-23-55 1001768 3315857                  | 25 | NON-AI DAUGHTERS | 42                    | 13,595                      | 3.9       | 527               |                    |                          |               |                             |           |
| AI STUO, 41-25 LISTED, 08-63              | 25 | WITH HERD-MATES  | 42                    | 13,595                      | 3.9       | 527               | 9                  | 14,172                   | 545           |                             |           |
| STATES- 35                                |    |                  |                       |                             |           |                   | OIFF.              | 577-                     | 18-           |                             |           |
| 1260405 .....                             |    |                  |                       |                             |           |                   |                    |                          |               |                             |           |
| AI STUO, 48-01                            | 1  | AI DAUGHTERS     | 1                     | 10,490                      | 3.4       | 355               |                    |                          |               |                             |           |
| STATES- 35,43,48,73,74                    | 8  | NON-AI DAUGHTERS | 10                    | 12,039                      | 3.6       | 434               |                    |                          |               |                             |           |
|   | 8  | WITH HERD-MATES  | 9                     | 11,849                      | 3.6       | 424               | 13                 | 11,916                   | 433           |                             |           |
|   |    |                  |                       |                             |           |                   | OIFF.              | 67-                      | 9-            |                             |           |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                                  |     |                  |      |        | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK LB | TEST<br>% | DAU.<br>FAT<br>LB | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK<br>LB | AV.<br>FAT<br>LB | PREDICTED AV.<br>MILK<br>LB | FAT<br>LB |
|---|-----|------------------|------|--------|-----------------------|--------------------------|-----------|-------------------|-----------------------|--------------------------|------------------|-----------------------------|-----------|
| 1260461 SHAWs FERN TIOY LASS.....         |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 08-28-55 1011980 2988336                  | 682 | AI DAUGHTERS     | 1105 | 13,225 | 3.8                   | 508                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 23-04 LISTED, 08-63              | 679 | WITH HERD-MATES  | 1095 | 13,236 | 3.8                   | 509                      |           |                   |                       |                          |                  |                             |           |
| STATES- 21,23,51                          |     |                  |      |        |                       |                          |           |                   | 14                    | 13,459                   | 506              | 12,046                      | 453       |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 223-                     | 3                |                             |           |
| 1260483 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 91                                | 5   | NON-AI DAUGHTERS | 6    | 16,884 | 3.7                   | 621                      |           |                   |                       |                          |                  |                             |           |
|   | 4   | WITH HERD-MATES  | 5    | 17,383 | 3.6                   | 625                      |           |                   | 10                    | 16,707                   | 600              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 676                      | 25               |                             |           |
| 1260800 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 23                                | 20  | NON-AI DAUGHTERS | 20   | 14,262 | 3.8                   | 539                      |           |                   |                       |                          |                  |                             |           |
|   | 20  | WITH HERD-MATES  | 20   | 14,262 | 3.8                   | 539                      |           |                   | 28                    | 15,438                   | 605              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 1176-                    | 66-              |                             |           |
| 1260840 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 52                                | 5   | NON-AI DAUGHTERS | 8    | 15,521 | 3.8                   | 588                      |           |                   |                       |                          |                  |                             |           |
|   | 5   | WITH HERD-MATES  | 8    | 15,521 | 3.8                   | 588                      |           |                   | 21                    | 14,889                   | 548              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 632                      | 40               |                             |           |
| 1261051 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 31                                | 5   | NON-AI DAUGHTERS | 10   | 12,013 | 3.2                   | 386                      |           |                   |                       |                          |                  |                             |           |
|   | 5   | WITH HERD-MATES  | 10   | 12,013 | 3.2                   | 386                      |           |                   | 7                     | 13,323                   | 478              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 1310-                    | 92-              |                             |           |
| 1261140 SPERGER MAOCAP SKYMASTER.....     |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 01-29-54 1070226 2893012                  | 17  | AI DAUGHTERS     | 17   | 13,174 | 3.6                   | 469                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 41-01 LISTED, 08-63              | 17  | WITH HERD-MATES  | 17   | 13,174 | 3.6                   | 469                      |           |                   | 15                    | 12,323                   | 445              | 12,640                      | 458       |
| STATES- 41,42,45,91                       |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 851                      | 24               |                             |           |
|   | 17  | NON-AI DAUGHTERS | 32   | 14,478 | 3.7                   | 541                      |           |                   |                       |                          |                  |                             |           |
|   | 16  | WITH HERD-MATES  | 31   | 14,720 | 3.7                   | 551                      |           |                   | 12                    | 14,087                   | 525              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 633                      | 26               |                             |           |
| 1261381 CLANYARD ABC TOPPER.....          |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 01-13-55 010198998 2845888                | 191 | AI DAUGHTERS     | 363  | 12,505 | 3.9                   | 484                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 33-01 LISTED, 08-63              | 183 | WITH HERD-MATES  | 345  | 12,564 | 3.9                   | 486                      |           |                   | 19                    | 12,676                   | 476              | 12,081                      | 456       |
| STATES- 32,33,35,42,43,55,57,61,74        |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 112-                     | 10               |                             |           |
| 1261382 CLAN YARD ABC PRIDE.....          |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 01-18-55 010198998 3220993                | 90  | AI DAUGHTERS     | 188  | 12,865 | 3.8                   | 491                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 33-01 LISTED, 08-63              | 87  | WITH HERD-MATES  | 184  | 12,913 | 3.8                   | 493                      |           |                   | 22                    | 12,680                   | 478              | 12,385                      | 460       |
| STATES- 33,35,42                          |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 233                      | 15               |                             |           |
| 1261440 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 21                                | 11  | NON-AI DAUGHTERS | 13   | 13,071 | 3.9                   | 505                      |           |                   |                       |                          |                  |                             |           |
|   | 11  | WITH HERD-MATES  | 13   | 13,071 | 3.9                   | 505                      |           |                   | 12                    | 13,491                   | 488              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 420-                     | 17               |                             |           |
| 1261631 ELMER BROOK PIRATE HOMESTEAD..... |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 07-19-55 1220074 3398044                  | 56  | AI DAUGHTERS     | 106  | 13,076 | 3.7                   | 488                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 35-05 LISTED, 08-63              | 56  | WITH HERD-MATES  | 105  | 13,075 | 3.7                   | 488                      |           |                   | 11                    | 12,841                   | 474              | 12,385                      | 458       |
| STATES- 33,35,42,72                       |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 234                      | 14               |                             |           |
|   | 3   | NON-AI DAUGHTERS | 7    | 12,851 | 3.8                   | 494                      |           |                   |                       |                          |                  |                             |           |
|   | 3   | WITH HERD-MATES  | 7    | 12,851 | 3.8                   | 494                      |           |                   | 5                     | 13,400                   | 513              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 549-                     | 19-              |                             |           |
| 1261743 BIG ROCK DRMSBY TRIUNE.....       |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 10-07-54 955619 3665883                   | 25  | NON-AI DAUGHTERS | 54   | 13,961 | 4.2                   | 591                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 23-04 LISTED, 08-63              | 25  | WITH HERD-MATES  | 53   | 13,989 | 4.2                   | 592                      |           |                   | 14                    | 14,193                   | 552              |                             |           |
| STATES- 21                                |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 204-                     | 40               |                             |           |
| 1261857 ZIMMERMAN ALSTAR PILOTH.....      |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 12-28-54 1080016 3896921                  | 61  | AI DAUGHTERS     | 90   | 15,839 | 4.0                   | 629                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 23-01 LISTED, 08-63              | 60  | WITH HERD-MATES  | 87   | 15,869 | 4.0                   | 629                      |           |                   | 13                    | 14,504                   | 565              | 13,465                      | 507       |
| STATES- 21,23,34,52,84                    |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 1365                     | 64               |                             |           |
| 1262018 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 11,12                             | 5   | NON-AI DAUGHTERS | 5    | 12,062 | 3.9                   | 466                      |           |                   |                       |                          |                  |                             |           |
|   | 5   | WITH HERD-MATES  | 5    | 12,062 | 3.9                   | 466                      |           |                   | 11                    | 10,194                   | 373              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 1868                     | 93               |                             |           |
| 1262205 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 23,33,57,94                       | 5   | NON-AI DAUGHTERS | 9    | 11,451 | 3.5                   | 402                      |           |                   |                       |                          |                  |                             |           |
|   | 5   | WITH HERD-MATES  | 9    | 11,451 | 3.5                   | 402                      |           |                   | 16                    | 11,815                   | 425              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 364-                     | 23-              |                             |           |
| 1262219 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 23                                | 6   | NON-AI DAUGHTERS | 6    | 13,390 | 4.0                   | 532                      |           |                   |                       |                          |                  |                             |           |
|   | 6   | WITH HERD-MATES  | 6    | 13,390 | 4.0                   | 532                      |           |                   | 9                     | 13,730                   | 512              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 340-                     | 20               |                             |           |
| 1262351 EILLOC SYMBOL REFLECTION.....     |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 07-23-54 1212056 3483240                  | 31  | AI DAUGHTERS     | 45   | 14,436 | 3.6                   | 521                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 93-03 LISTED, 08-63              | 31  | WITH HERD-MATES  | 45   | 14,436 | 3.6                   | 521                      |           |                   | 109                   | 14,898                   | 545              | 12,001                      | 434       |
| STATES- 87,93                             |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 462-                     | 24-              |                             |           |
| 1262442 EILLOC THE CROWN PRINCE.....      |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| 01-08-55 1212056 3372154                  | 14  | AI DAUGHTERS     | 28   | 15,328 | 3.8                   | 581                      |           |                   |                       |                          |                  |                             |           |
| AI STUD, 93-03 LISTED, 08-63              | 14  | WITH HERD-MATES  | 28   | 15,328 | 3.8                   | 581                      |           |                   | 123                   | 15,397                   | 564              | 12,271                      | 459       |
| STATES- 93                                |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 69-                      | 17               |                             |           |
| 1262516 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 51,52                             | 7   | NON-AI DAUGHTERS | 13   | 14,364 | 3.7                   | 527                      |           |                   |                       |                          |                  |                             |           |
|   | 7   | WITH HERD-MATES  | 13   | 14,364 | 3.7                   | 527                      |           |                   | 17                    | 13,064                   | 472              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 1300                     | 55               |                             |           |
| 1262616 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 21                                | 6   | NON-AI DAUGHTERS | 7    | 14,834 | 3.5                   | 523                      |           |                   |                       |                          |                  |                             |           |
|   | 6   | WITH HERD-MATES  | 7    | 14,834 | 3.5                   | 523                      |           |                   | 13                    | 12,889                   | 486              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 1945                     | 37               |                             |           |
| 1262639 .....                             |     |                  |      |        |                       |                          |           |                   |                       |                          |                  |                             |           |
| STATES- 42                                | 5   | NON-AI DAUGHTERS | 9    | 11,537 | 3.6                   | 412                      |           |                   |                       |                          |                  |                             |           |
|   | 5   | WITH HERD-MATES  | 9    | 11,537 | 3.6                   | 412                      |           |                   | 11                    | 11,786                   | 429              |                             |           |
|   |     |                  |      |        |                       |                          |           |                   | DIFF.                 | 249-                     | 17-              |                             |           |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN  |                      | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|---|----------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 1262708 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 46  | 7 NON-AI DAUGHTERS   | 7           | 12,880                | 3.4    | 436         |                 |                    |            |                       |        |
|   | 7 WITH HERD-MATES    | 7           | 12,880                | 3.4    | 436         | 8 DIFF.         | 11,356 1524        | 407 29     |                       |        |
| 1262861 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23,51   | 5 NDN-AI DAUGHTERS   | 11          | 12,272                | 3.9    | 473         |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES    | 11          | 12,272                | 3.9    | 473         | 22 DIFF.        | 12,929 657-        | 467 6      |                       |        |
| 1262987 ELMOKA OLIVER HOMESTEAD.....                                      |                      |             |                       |        |             |                 |                    |            |                       |        |
| 04-01-55 1213268 2816711  | 7 NDN-AI DAUGHTERS   | 11          | 12,996                | 3.8    | 489         |                 |                    |            |                       |        |
| AI STUD, 41-25 LISTED, 08-63  | 7 WITH HERD-MATES    | 10          | 13,141                | 3.8    | 497         | 18 DIFF.        | 14,345 1204-       | 545 48-    |                       |        |
| STATES- 35,41   |                      |             |                       |        |             |                 |                    |            |                       |        |
| 1263007 WIS MEASTRD.....  |                      |             |                       |        |             |                 |                    |            |                       |        |
| 09-28-55 1189593 3009985  | 1109 AI DAUGHTERS    | 1438        | 13,491                | 3.5    | 478         |                 |                    |            |                       |        |
| AI STUD, 34-01 LISTED, 08-63  | 1068 WITH HERD-MATES | 1386        | 13,502                | 3.5    | 478         | 14 DIFF.        | 13,224 278         | 479 1-     | 12,514                | 446    |
| STATES- 14,15,16,21,23,31,32,33,34,35,46,47,50,52,61,91                   | 18 NON-AI DAUGHTERS  | 43          | 14,037                | 3.6    | 511         |                 |                    |            |                       |        |
|   | 18 WITH HERD-MATES   | 43          | 14,037                | 3.6    | 511         | 20 DIFF.        | 13,336 701         | 493 18     |                       |        |
| 1263008 WIS INTENSE.....  |                      |             |                       |        |             |                 |                    |            |                       |        |
| 10-11-55 1189593 3009985  | 6 AI DAUGHTERS       | 6           | 15,015                | 3.3    | 501         |                 |                    |            |                       |        |
| AI STUD, 35-02 LISTED, 08-63  | 6 WITH HERD-MATES    | 6           | 15,015                | 3.3    | 501         | 10 DIFF.        | 13,100 1915        | 475 26     | 12,799                | 454    |
| STATES- 35  |                      |             |                       |        |             |                 |                    |            |                       |        |
|   | 8 NDN-AI DAUGHTERS   | 8           | 16,548                | 3.5    | 572         |                 |                    |            |                       |        |
|   | 8 WITH HERD-MATES    | 8           | 16,548                | 3.5    | 572         | 14 DIFF.        | 16,069 479         | 591 19-    |                       |        |
| 1263152 WIPLEDAL KORNDYKE PRINCE.....                                     |                      |             |                       |        |             |                 |                    |            |                       |        |
| 04-28-55 860768 3196092   | 118 AI DAUGHTERS     | 135         | 12,369                | 3.8    | 464         |                 |                    |            |                       |        |
| AI STUD, 52-01 LISTED, 08-63  | 113 WITH HERD-MATES  | 129         | 12,449                | 3.7    | 465         | 25 DIFF.        | 12,348 101         | 452 13     | 12,245                | 457    |
| STATES- 52,55   |                      |             |                       |        |             |                 |                    |            |                       |        |
|   | 9 NDN-AI DAUGHTERS   | 13          | 12,734                | 3.5    | 452         |                 |                    |            |                       |        |
|   | 9 WITH HERD-MATES    | 13          | 12,734                | 3.5    | 452         | 21 DIFF.        | 12,267 467         | 451 1      |                       |        |
| 1263512 DICMERE GLO-RIDGE LEADER.....                                     |                      |             |                       |        |             |                 |                    |            |                       |        |
| 09-20-55 915940 3213225   | 15 NDN-AI DAUGHTERS  | 23          | 12,779                | 4.1    | 519         |                 |                    |            |                       |        |
| AI STUD, 31-02 LISTED, 08-63  | 15 WITH HERD-MATES   | 23          | 12,779                | 4.1    | 519         | 9 DIFF.         | 13,313 534-        | 479 40     |                       |        |
| STATES- 31,33,56  |                      |             |                       |        |             |                 |                    |            |                       |        |
| 1263562 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 93  | 5 NDN-AI DAUGHTERS   | 5           | 17,440                | 3.6    | 621         |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES    | 5           | 17,440                | 3.6    | 621         | 66 DIFF.        | 16,812 628         | 610 11     |                       |        |
| 1263636 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 63  | 8 NON-AI DAUGHTERS   | 9           | 11,326                | 3.5    | 396         |                 |                    |            |                       |        |
|   | 8 WITH HERD-MATES    | 9           | 11,326                | 3.5    | 396         | 19 DIFF.        | 11,382 56-         | 405 9-     |                       |        |
| 1263834 DAWNVALE MASTERPIECE MAGICTWIN.....                               |                      |             |                       |        |             |                 |                    |            |                       |        |
| 10-18-55 929962 3443035   | 47 AI DAUGHTERS      | 100         | 13,600                | 3.9    | 524         |                 |                    |            |                       |        |
| AI STUD, 21-01 LISTED, 08-63  | 47 WITH HERD-MATES   | 99          | 13,601                | 3.9    | 524         | 19 DIFF.        | 13,557 44          | 492 32     | 12,282                | 473    |
| STATES- 13,21,23  |                      |             |                       |        |             |                 |                    |            |                       |        |
| 1263835 DAWNVALE MASTERPIECE MYSTIC - TWIN.....                           |                      |             |                       |        |             |                 |                    |            |                       |        |
| 10-18-55 929962 3443035   | 62 AI DAUGHTERS      | 116         | 13,188                | 3.6    | 478         |                 |                    |            |                       |        |
| AI STUD, 21-01 LISTED, 08-63  | 62 WITH HERD-MATES   | 116         | 13,188                | 3.6    | 478         | 16 DIFF.        | 13,119 69          | 474 4      | 12,274                | 450    |
| STATES- 13,21,23  |                      |             |                       |        |             |                 |                    |            |                       |        |
| 1263840 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21  | 5 NON-AI DAUGHTERS   | 5           | 14,724                | 3.3    | 482         |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES    | 5           | 14,724                | 3.3    | 482         | 12 DIFF.        | 12,033 2691        | 419 63     |                       |        |
| 1263918 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21  | 7 NDN-AI DAUGHTERS   | 7           | 10,226                | 3.7    | 378         |                 |                    |            |                       |        |
|   | 6 WITH HERD-MATES    | 6           | 10,003                | 3.7    | 367         | 11 DIFF.        | 12,833 2830-       | 469 102-   |                       |        |
| 1263983 SKDKIE GOOD REGENT.....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| 07-22-55 1199324 3130668  | 63 AI DAUGHTERS      | 64          | 11,989                | 3.9    | 469         |                 |                    |            |                       |        |
| AI STUD, 33-03 LISTED, 08-63  | 62 WITH HERD-MATES   | 63          | 11,937                | 3.9    | 467         | 13 DIFF.        | 12,951 1014-       | 476 9-     | 11,361                | 439    |
| STATES- 11,12,13,14,15,16,21,22,23,31,32,33,34,35,41,42,47,50,51,52,87,91 | 41 NDN-AI DAUGHTERS  | 61          | 11,704                | 3.9    | 454         |                 |                    |            |                       |        |
|   | 41 WITH HERD-MATES   | 61          | 11,704                | 3.9    | 454         | 11 DIFF.        | 11,867 163-        | 434 20     |                       |        |
| 1264208 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21  | 7 NDN-AI DAUGHTERS   | 7           | 15,577                | 3.4    | 534         |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES    | 5           | 16,284                | 3.4    | 546         | 10 DIFF.        | 13,474 2810        | 459 87     |                       |        |
| 1264223 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21  | 5 NON-AI DAUGHTERS   | 5           | 12,158                | 3.2    | 386         |                 |                    |            |                       |        |
|   | 5 WITH HERD-MATES    | 5           | 12,158                | 3.2    | 386         | 11 DIFF.        | 12,880 722-        | 460 74-    |                       |        |
| 1264280 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 56  | 18 NDN-AI DAUGHTERS  | 21          | 10,199                | 3.4    | 345         |                 |                    |            |                       |        |
|   | 18 WITH HERD-MATES   | 21          | 10,199                | 3.4    | 345         | 34 DIFF.        | 9,474 725          | 335 10     |                       |        |
| 1264328 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 32,33,35,63   | 6 NDN-AI DAUGHTERS   | 8           | 10,718                | 3.8    | 408         |                 |                    |            |                       |        |
|   | 6 WITH HERD-MATES    | 8           | 10,718                | 3.8    | 408         | 6 DIFF.         | 12,818 2100-       | 450 42-    |                       |        |
| 1264372 .....   |                      |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 52  | 17 NDN-AI DAUGHTERS  | 20          | 16,430                | 3.7    | 611         |                 |                    |            |                       |        |
|   | 17 WITH HERD-MATES   | 20          | 16,430                | 3.7    | 611         | 10 DIFF.        | 15,040 1390        | 593 18     |                       |        |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   |    |                  |  | AV. RECDRDS<br>NUMBER | PRDDUCTION OF<br>MILK LB | TEST<br>% | DAU.<br>FAT<br>LB | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK LB | FAT LB |
|--|----|------------------|--|-----------------------|--------------------------|-----------|-------------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1264447 LILAC HILL RAVEN DESIGN.....             |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| 10-25-54 909839 3239051 550 AI DAUGHTERS         |    |                  |  | 845                   | 12,063                   | 3.9       | 465               |                    |                       |               |                          |        |
| AI STUO, 33-03 LISTED, 08-63 525 WITH HERD-MATES |    |                  |  | 803                   | 12,066                   | 3.8       | 464               | 15                 | 12,957                | 476           | 11,350                   | 435    |
| STATES- 11,12,13,14,16,21,22,                    |    |                  |  |                       |                          |           |                   | DIFF.              | 891-                  | 12-           |                          |        |
| 23,31,32,33,34,35,41,42,43,46,                   | 1  | NDN-AI DAUGHTERS |  | 4                     | 11,063                   | 3.6       | 396               |                    |                       |               |                          |        |
| 47,48,50,51,52,57,61,82,84,87,                   | 1  | WITH HERD-MATES  |  | 4                     | 11,063                   | 3.6       | 396               | 3                  | 11,991                | 434           |                          |        |
| 91,92  |    |                  |  |                       |                          |           |                   | DIFF.              | 928-                  | 38-           |                          |        |
| 1264594 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 84                                       | 6  | NDN-AI DAUGHTERS |  | 6                     | 15,462                   | 3.6       | 560               | 18                 | 13,892                | 500           |                          |        |
|  | 6  | WITH HERD-MATES  |  | 6                     | 15,462                   | 3.6       | 560               | DIFF.              | 1570                  | 60            |                          |        |
| 1264690 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 43,74                                    | 6  | NDN-AI DAUGHTERS |  | 7                     | 12,619                   | 3.7       | 469               | 19                 | 10,943                | 394           |                          |        |
|  | 6  | WITH HERD-MATES  |  | 7                     | 12,619                   | 3.7       | 469               | DIFF.              | 1676                  | 75            |                          |        |
| 1264726 GLENREST ADACY.....                      |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| 08-31-55 846425 3130880 63 AI DAUGHTERS          |    |                  |  | 111                   | 13,372                   | 3.7       | 498               |                    |                       |               |                          |        |
| AI STUO, 21-01 LISTED, 08-63 61 WITH HERD-MATES  |    |                  |  | 107                   | 13,394                   | 3.7       | 501               | 20                 | 13,228                | 478           | 12,363                   | 466    |
| STATES- 11,13,21                                 |    |                  |  |                       |                          |           |                   | DIFF.              | 166                   | 23            |                          |        |
| 1264806 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 41,42,46                                 | 5  | NDN-AI DAUGHTERS |  | 7                     | 11,999                   | 3.4       | 403               | 13                 | 12,187                | 430           |                          |        |
|  | 5  | WITH HERD-MATES  |  | 7                     | 11,999                   | 3.4       | 403               | DIFF.              | 188-                  | 27-           |                          |        |
| 1264848 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 23                                       | 7  | NDN-AI DAUGHTERS |  | 9                     | 11,627                   | 3.8       | 443               | 8                  | 12,340                | 448           |                          |        |
|  | 7  | WITH HERD-MATES  |  | 9                     | 11,627                   | 3.8       | 443               | DIFF.              | 713-                  | 5-            |                          |        |
| 1264852 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 35,64,94                                 | 5  | NDN-AI DAUGHTERS |  | 7                     | 12,042                   | 3.3       | 400               | 13                 | 12,855                | 464           |                          |        |
|  | 5  | WITH HERD-MATES  |  | 7                     | 12,042                   | 3.3       | 400               | DIFF.              | 813-                  | 64-           |                          |        |
| 1264911 SUNNYSIDE WIS BURKE.....                 |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| 08-26-55 1192325 3093548 22 NDN-AI DAUGHTERS     |    |                  |  | 38                    | 15,182                   | 3.7       | 556               |                    |                       |               |                          |        |
| AI STUO, 87-01 LISTED, 08-63 21 WITH HERD-MATES  |    |                  |  | 36                    | 15,305                   | 3.7       | 566               | 5                  | 13,411                | 511           |                          |        |
| STATES- 35,55,87                                 |    |                  |  |                       |                          |           |                   | DIFF.              | 1894                  | 55            |                          |        |
| 1265159 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 43                                       | 5  | NON-AI DAUGHTERS |  | 6                     | 11,148                   | 3.9       | 435               | 7                  | 11,176                | 402           |                          |        |
|  | 5  | WITH HERD-MATES  |  | 6                     | 11,148                   | 3.9       | 435               | DIFF.              | 28-                   | 33            |                          |        |
| 1265166 RDCK RIVER COUNT.....                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| 11-25-55 1216567 2891773 32 NDN-AI DAUGHTERS     |    |                  |  | 46                    | 12,800                   | 3.8       | 487               |                    |                       |               |                          |        |
| AI STUO, 35-02 LISTED, 08-63 32 WITH HERD-MATES  |    |                  |  | 46                    | 12,800                   | 3.8       | 487               | 16                 | 13,202                | 485           |                          |        |
| STATES- 11,21,23,33,35,42,52,                    |    |                  |  |                       |                          |           |                   | DIFF.              | 402-                  | 2             |                          |        |
| 57,61,92   |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| 1265211 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 41                                       | 13 | NON-AI DAUGHTERS |  | 14                    | 13,094                   | 4.0       | 526               | 10                 | 12,167                | 478           |                          |        |
|  | 13 | WITH HERD-MATES  |  | 14                    | 13,094                   | 4.0       | 526               | DIFF.              | 927                   | 48            |                          |        |
| 1265278 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 52                                       | 15 | NDN-AI DAUGHTERS |  | 18                    | 15,735                   | 3.7       | 589               | 27                 | 16,097                | 588           |                          |        |
|  | 15 | WITH HERD-MATES  |  | 18                    | 15,735                   | 3.7       | 589               | DIFF.              | 362-                  | 1             |                          |        |
| 1265289 RDYAL HDPE BLUEBIRD.....                 |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| 01-02-55 010212300 010628438 13 NDN-AI DAUGHTERS |    |                  |  | 23                    | 13,172                   | 3.7       | 488               |                    |                       |               |                          |        |
| AI STUO, 65-02 LISTED, 08-63 13 WITH HERD-MATES  |    |                  |  | 23                    | 13,172                   | 3.7       | 488               | 4                  | 14,384                | 519           |                          |        |
| STATES- 64                                       |    |                  |  |                       |                          |           |                   | DIFF.              | 1212-                 | 31-           |                          |        |
| 1265524 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 14                                       | 5  | NDN-AI DAUGHTERS |  | 8                     | 14,244                   | 3.5       | 502               | 19                 | 14,322                | 488           |                          |        |
|  | 5  | WITH HERD-MATES  |  | 8                     | 14,244                   | 3.5       | 502               | DIFF.              | 78-                   | 14            |                          |        |
| 1265627 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 54                                       | 7  | NDN-AI DAUGHTERS |  | 7                     | 11,794                   | 3.9       | 457               | 9                  | 11,407                | 436           |                          |        |
|  | 7  | WITH HERD-MATES  |  | 7                     | 11,794                   | 3.9       | 457               | DIFF.              | 387                   | 21            |                          |        |
| 1265694 GLENELG HONEYMAN DDN.....                |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| 02-23-55 1210938 3326003 3 AI DAUGHTERS          |    |                  |  | 3                     | 16,047                   | 3.2       | 513               |                    |                       |               |                          |        |
| AI STUO, 41-25 LISTED, 08-63 3 WITH HERD-MATES   |    |                  |  | 3                     | 16,047                   | 3.2       | 513               | 8                  | 12,998                | 444           | 12,762                   | 458    |
| STATES- 33,42,43                                 |    |                  |  |                       |                          |           |                   | DIFF.              | 3049                  | 69            |                          |        |
|  | 27 | NDN-AI DAUGHTERS |  | 60                    | 14,946                   | 3.9       | 580               |                    |                       |               |                          |        |
|  | 27 | WITH HERD-MATES  |  | 60                    | 14,946                   | 3.9       | 580               | 7                  | 14,166                | 558           |                          |        |
|  |    |                  |  |                       |                          |           |                   | DIFF.              | 780                   | 22            |                          |        |
| 1265748 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 91                                       | 5  | NDN-AI DAUGHTERS |  | 7                     | 14,242                   | 3.8       | 537               | 9                  | 14,209                | 523           |                          |        |
|  | 5  | WITH HERD-MATES  |  | 6                     | 14,331                   | 3.7       | 528               | DIFF.              | 122                   | 5             |                          |        |
| 1265757 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 34                                       | 9  | NDN-AI DAUGHTERS |  | 13                    | 12,649                   | 3.5       | 442               | 11                 | 11,998                | 446           |                          |        |
|  | 9  | WITH HERD-MATES  |  | 13                    | 12,649                   | 3.5       | 442               | DIFF.              | 651                   | 4-            |                          |        |
| 1265761 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 74                                       | 9  | NON-AI DAUGHTERS |  | 12                    | 11,179                   | 3.7       | 413               | 39                 | 12,686                | 459           |                          |        |
|  | 9  | WITH HERD-MATES  |  | 12                    | 11,179                   | 3.7       | 413               | DIFF.              | 1507-                 | 46-           |                          |        |
| 1266198 .....                                    |    |                  |  |                       |                          |           |                   |                    |                       |               |                          |        |
| STATES- 21                                       | 5  | NON-AI DAUGHTERS |  | 8                     | 10,664                   | 3.5       | 378               | 17                 | 10,756                | 379           |                          |        |
|  | 5  | WITH HERD-MATES  |  | 8                     | 10,664                   | 3.5       | 378               | DIFF.              | 92-                   | 1-            |                          |        |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |                  |      |        | OAU. | AOJ. HERD-MATES |       |        | PREOICTED AV. |            |
|--|-------------------|------------------|------|--------|------|-----------------|-------|--------|---------------|------------|
|  | RECORDS           | MILK             | TEST | FAT    |      | AV.             | MILK  | FAT    | MILK          | FAT        |
|  | NUMBER            | L8               | %    | L8     |      | NUMBER          | L8    | L8     | L8            | L8         |
| 1266223 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 21                                       | 5                 | NON-AI DAUGHTERS | 8    | 11,097 | 3.6  | 396             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 8    | 11,097 | 3.6  | 396             | 16    | 12,915 | 446           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1818-  | 50-           |            |
| 1266243 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 31,50,51,52                              | 20                | NON-AI DAUGHTERS | 26   | 14,603 | 3.6  | 531             |       |        |               |            |
|  | 20                | WITH HERD-MATES  | 26   | 14,603 | 3.6  | 531             | 14    | 13,941 | 492           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 662    | 39            |            |
| 1266284 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 23,35,57                                 | 5                 | NON-AI DAUGHTERS | 6    | 11,464 | 3.8  | 434             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 6    | 11,464 | 3.8  | 434             | 18    | 12,548 | 451           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1084-  | 17-           |            |
| 1266707 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 41                                       | 7                 | NON-AI DAUGHTERS | 9    | 11,180 | 3.9  | 433             |       |        |               |            |
|  | 7                 | WITH HERD-MATES  | 9    | 11,180 | 3.9  | 433             | 9     | 10,739 | 391           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 441    | 42            |            |
| 1266721 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 21                                       | 11                | NON-AI DAUGHTERS | 11   | 12,019 | 3.4  | 409             |       |        |               |            |
|  | 11                | WITH HERD-MATES  | 11   | 12,019 | 3.4  | 409             | 18    | 10,623 | 365           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1396   | 44            |            |
| 1266818 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 41                                       | 5                 | NDN-AI DAUGHTERS | 6    | 11,671 | 3.8  | 438             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 6    | 11,671 | 3.8  | 438             | 9     | 12,777 | 471           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1106-  | 33-           |            |
| 1266899 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 21,23,41                                 | 7                 | NON-AI DAUGHTERS | 8    | 15,337 | 4.1  | 635             |       |        |               |            |
|  | 7                 | WITH HERD-MATES  | 8    | 15,337 | 4.1  | 635             | 13    | 14,697 | 548           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 640    | 87            |            |
| 1266928 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 52                                       | 5                 | NON-AI DAUGHTERS | 8    | 11,039 | 3.9  | 426             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 8    | 11,039 | 3.9  | 426             | 17    | 12,328 | 453           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1289-  | 27-           |            |
| 1266978 CLYOE HILL ORMSBY M MISTRESS.....        |                   |                  |      |        |      |                 |       |        |               |            |
| 11-11-55 1202702 2786619 130 AI DAUGHTERS        |                   |                  | 167  | 12,374 | 3.5  | 437             |       |        |               |            |
| AI STUO, 23-05 LISTED, 08-63 130 WITH HERD-MATES |                   |                  | 167  | 12,374 | 3.5  | 437             | 12    | 12,961 | 489           | 11,676 400 |
| STATES- 23                                       |                   |                  |      |        |      |                 | DIFF. | 587-   | 52-           |            |
| 1267076 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 23,31                                    | 12                | NON-AI DAUGHTERS | 14   | 10,731 | 3.6  | 388             |       |        |               |            |
|  | 12                | WITH HERD-MATES  | 13   | 10,626 | 3.6  | 385             | 6     | 11,236 | 413           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 610-   | 28-           |            |
| 1267250 LOS ROBLES EMPORER LYONS LAO.....        |                   |                  |      |        |      |                 |       |        |               |            |
| 09-28-55 1057293 2695422 22 AI DAUGHTERS         |                   |                  | 22   | 15,355 | 3.4  | 517             |       |        |               |            |
| AI STUO, 93-03 LISTED, 08-63 22 WITH HERD-MATES  |                   |                  | 22   | 15,355 | 3.4  | 517             | 137   | 14,796 | 541           | 12,663 435 |
| STATES- 87,91,93                                 |                   |                  |      |        |      |                 | DIFF. | 559    | 24-           |            |
|  | 3                 | NON-AI DAUGHTERS | 6    | 16,735 | 3.8  | 634             |       |        |               |            |
|  | 2                 | WITH HERD-MATES  | 4    | 17,085 | 3.8  | 642             | 79    | 14,458 | 523           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 2627   | 119           |            |
| 1267305 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 23                                       | 5                 | NON-AI DAUGHTERS | 9    | 13,541 | 3.8  | 509             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 7    | 13,890 | 3.8  | 523             | 12    | 12,140 | 438           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1750   | 85            |            |
| 1267310 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 32,33,34,51,52                           | 10                | NON-AI DAUGHTERS | 11   | 12,321 | 3.8  | 472             |       |        |               |            |
|  | 10                | WITH HERD-MATES  | 11   | 12,321 | 3.8  | 472             | 15    | 12,883 | 485           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 562-   | 13-           |            |
| 1267468 GLENAFTON BONHEUR ARISTOCRAT.....        |                   |                  |      |        |      |                 |       |        |               |            |
| 02-20-55 010239301 011029900 12 NON-AI DAUGHTERS |                   |                  | 12   | 15,298 | 4.0  | 618             |       |        |               |            |
| AI STUO, 35-05 LISTED, 08-63 12 WITH HERD-MATES  |                   |                  | 12   | 15,298 | 4.0  | 618             | 38    | 15,801 | 633           |            |
| STATES- 35,93                                    |                   |                  |      |        |      |                 | DIFF. | 503-   | 15-           |            |
| 1267505 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 91                                       | 6                 | NON-AI DAUGHTERS | 16   | 12,925 | 3.7  | 478             |       |        |               |            |
|  | 6                 | WITH HERD-MATES  | 16   | 12,925 | 3.7  | 478             | 35    | 15,849 | 569           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 2924-  | 91-           |            |
| 1267543 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 35                                       | 7                 | NON-AI DAUGHTERS | 7    | 13,247 | 3.6  | 472             |       |        |               |            |
|  | 7                 | WITH HERD-MATES  | 7    | 13,247 | 3.6  | 472             | 28    | 12,630 | 451           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 617    | 21            |            |
| 1267764 URMSBY OOU8LE FOBES.....                 |                   |                  |      |        |      |                 |       |        |               |            |
| 05-19-55 1210078 3063947 13 NON-AI DAUGHTERS     |                   |                  | 23   | 13,471 | 3.7  | 497             |       |        |               |            |
| AI STUO, 35-02 LISTED, 08-63 13 WITH HERD-MATES  |                   |                  | 23   | 13,471 | 3.7  | 497             | 7     | 13,716 | 486           |            |
| STATES- 35                                       |                   |                  |      |        |      |                 | DIFF. | 245-   | 11            |            |
| 1267787 .....                                    |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 31                                       | 6                 | NON-AI DAUGHTERS | 6    | 12,578 | 3.7  | 463             |       |        |               |            |
|  | 6                 | WITH HERD-MATES  | 6    | 12,578 | 3.7  | 463             | 5     | 13,207 | 479           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 629-   | 16-           |            |
| 1267874 HICKORYVALE S. C. PRIDE.....             |                   |                  |      |        |      |                 |       |        |               |            |
| 10-27-55 1007680 2821789 8 AI DAUGHTERS          |                   |                  | 8    | 11,406 | 3.7  | 425             |       |        |               |            |
| AI STUO, 51-02 LISTED, 08-63 8 WITH HERD-MATES   |                   |                  | 8    | 11,406 | 3.7  | 425             | 16    | 13,025 | 506           | 11,523 414 |
| STATES- 23,31,51,52,54,55                        |                   |                  |      |        |      |                 | DIFF. | 1619-  | 81-           |            |
|  | 27                | NON-AI DAUGHTERS | 31   | 12,583 | 3.7  | 462             |       |        |               |            |
|  | 27                | WITH HERD-MATES  | 31   | 12,583 | 3.7  | 462             | 15    | 12,290 | 458           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 293    | 4             |            |
| 1268001 RAY-LCU SUVERFIGN BRIDGER.....           |                   |                  |      |        |      |                 |       |        |               |            |
| 03-21-55 1079321 2531822 27 NON-AI DAUGHTERS     |                   |                  | 60   | 14,926 | 3.6  | 538             |       |        |               |            |
| AI STUO, 61-01 LISTED, 08-63 27 WITH HERD-MATES  |                   |                  | 60   | 14,926 | 3.6  | 538             | 26    | 15,145 | 550           |            |
| STATES- 21,23                                    |                   |                  |      |        |      |                 | DIFF. | 219-   | 12-           |            |



| SIRES OF DAIRY DAUGHTERS                         |  |  |  |  | AV. RECORDS | PRODUCTION OF MILK | TEST % | DAU. FAT LBS | ADJ. AV. NUMBER | HERD-MATES MILK LBS | AV. FAT LBS | PREDICTED AV. MILK LBS |     | FAT LBS |
|--|--|--|--|--|-------------|--------------------|--------|--------------|-----------------|---------------------|-------------|------------------------|-----|---------|
| HOLSTEIN   |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 1268087 S. V. F. SDVEIGN DUPLICATOR.....         |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 10-28-55 100768D 3043874 93 AI DAUGHTERS         |  |  |  |  | 115         | 13,590             | 3.7    | 506          |                 |                     |             |                        |     |         |
| AI STUD, 22-03 LISTED, D8-63 93 WITH HERD-MATES  |  |  |  |  | 115         | 13,590             | 3.7    | 506          | 30              | 12,734              | 472         | 12,941                 | 477 |         |
| STATES- 21,22,50                                 |  |  |  |  |             |                    |        |              | DIFF.           | 856                 | 34          |                        |     |         |
|  |  |  |  |  | 7           | 12,233             | 4.0    | 493          |                 |                     |             |                        |     |         |
|  |  |  |  |  | 7           | 12,233             | 4.0    | 493          | 8               | 12,503              | 449         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 270-                | 44          |                        |     |         |
| 1268164 KAHL TRIUNE LEADER.....                  |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 01-02-56 915940 2976376 24 NDN-AI DAUGHTERS      |  |  |  |  | 39          | 13,375             | 3.7    | 495          |                 |                     |             |                        |     |         |
| AI STUD, 51-02 LISTED, O8-63 24 WITH HERD-MATES  |  |  |  |  | 39          | 13,375             | 3.7    | 495          | 18              | 13,530              | 490         |                        |     |         |
| STATES- 35,42,72                                 |  |  |  |  |             |                    |        |              | DIFF.           | 155-                | 5           |                        |     |         |
| 1268290 VALLA VISTA MDORRIS TRIUNE.....          |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 11-30-55 886182 3693547 1 AI DAUGHTERS           |  |  |  |  | 1           | 12,960             | 3.7    | 482          |                 |                     |             |                        |     |         |
| AI STUD, 48-01 LISTED, O8-63 1 WITH HERD-MATES   |  |  |  |  | 1           | 12,960             | 3.7    | 482          | 12              | 12,196              | 473         | 12,189                 | 445 |         |
| STATES- 47,48,63                                 |  |  |  |  |             |                    |        |              | DIFF.           | 764                 | 9           |                        |     |         |
|  |  |  |  |  | 23          | 12,785             | 3.9    | 496          |                 |                     |             |                        |     |         |
|  |  |  |  |  | 22          | 13,033             | 3.9    | 507          | 17              | 14,754              | 543         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 1721-               | 36-         |                        |     |         |
| 1268294 UNH SCHOOLMASTER ECHO.....               |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 11-08-55 1181068 3768479 15 NDN-AI DAUGHTERS     |  |  |  |  | 23          | 15,869             | 3.8    | 599          |                 |                     |             |                        |     |         |
| AI STUD, 33-03 LISTED, O8-63 15 WITH HERD-MATES  |  |  |  |  | 23          | 15,869             | 3.8    | 599          | 10              | 15,381              | 589         |                        |     |         |
| STATES- 13                                       |  |  |  |  |             |                    |        |              | DIFF.           | 488                 | 10          |                        |     |         |
| 1268338 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 5           | 12,388             | 3.5    | 439          |                 |                     |             |                        |     |         |
| STATES- 21                                       |  |  |  |  | 4           | 12,318             | 3.6    | 444          | 25              | 11,593              | 396         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 725                 | 48          |                        |     |         |
| 1268418 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 11          | 12,969             | 3.7    | 479          |                 |                     |             |                        |     |         |
| STATES- 23                                       |  |  |  |  | 11          | 12,969             | 3.7    | 479          | 19              | 13,760              | 519         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 791-                | 40-         |                        |     |         |
| 1268531 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 5           | 10,896             | 3.6    | 387          |                 |                     |             |                        |     |         |
| STATES- 73,74                                    |  |  |  |  | 5           | 10,896             | 3.6    | 387          | 16              | 10,669              | 389         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 227                 | 2-          |                        |     |         |
| 1268689 UNH MASTER ECHO.....                     |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 10-31-55 1181068 3227192 36 NDN-AI DAUGHTERS     |  |  |  |  | 66          | 13,315             | 3.9    | 517          |                 |                     |             |                        |     |         |
| AI STUD, 33-03 LISTED, D8-63 36 WITH HERD-MATES  |  |  |  |  | 66          | 13,315             | 3.9    | 517          | 23              | 13,523              | 521         |                        |     |         |
| STATES- 11,14,15,23,35                           |  |  |  |  |             |                    |        |              | DIFF.           | 208-                | 4-          |                        |     |         |
| 1268802 HAWTHORN KING WAYNE LEADER.....          |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 07-06-59 1136846 3396628 17 NDN-AI DAUGHTERS     |  |  |  |  | 22          | 13,357             | 3.5    | 469          |                 |                     |             |                        |     |         |
| AI STUD, 41-01 LISTED, D8-63 17 WITH HERD-MATES  |  |  |  |  | 22          | 13,357             | 3.5    | 469          | 14              | 12,585              | 470         |                        |     |         |
| STATES- 21,35,41                                 |  |  |  |  |             |                    |        |              | DIFF.           | 772                 | 1-          |                        |     |         |
| 1268901 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 5           | 10,749             | 4.1    | 445          |                 |                     |             |                        |     |         |
| STATES- 71                                       |  |  |  |  | 5           | 10,749             | 4.1    | 445          | 4               | 11,511              | 412         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 762-                | 33          |                        |     |         |
| 1269018 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 10          | 11,410             | 3.4    | 386          |                 |                     |             |                        |     |         |
| STATES- 35                                       |  |  |  |  | 10          | 11,410             | 3.4    | 386          | 4               | 11,728              | 455         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 318-                | 69-         |                        |     |         |
| 1269D42 CARNATION FLASHY COUNT PDSCH.....        |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 09-14-55 1178223 2784237 257 AI DAUGHTERS        |  |  |  |  | 403         | 13,374             | 3.5    | 473          |                 |                     |             |                        |     |         |
| AI STUD, 35-03 LISTED, D8-63 256 WITH HERD-MATES |  |  |  |  | 402         | 13,373             | 3.5    | 473          | 14              | 12,803              | 465         | 12,740                 | 454 |         |
| STATES- 22,23,31,34,35,42,43, 61,72,74,87        |  |  |  |  |             |                    |        |              | DIFF.           | 570                 | 8           |                        |     |         |
| 1269150 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 9           | 11,068             | 3.4    | 373          |                 |                     |             |                        |     |         |
| STATES- 21                                       |  |  |  |  | 9           | 11,068             | 3.4    | 373          | 14              | 13,789              | 471         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 2721-               | 98-         |                        |     |         |
| 1269162 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 5           | 15,659             | 3.9    | 611          |                 |                     |             |                        |     |         |
| STATES- 23                                       |  |  |  |  | 5           | 15,659             | 3.9    | 611          | 10              | 16,845              | 632         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 1186-               | 21-         |                        |     |         |
| 1269274 SUMMER VILLA LUCIFER CHUCK.....          |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 01-20-56 76917D 2874628 70 AI DAUGHTERS          |  |  |  |  | 114         | 13,809             | 3.4    | 463          |                 |                     |             |                        |     |         |
| AI STUD, 21-01 LISTED, O8-63 69 WITH HERD-MATES  |  |  |  |  | 112         | 13,892             | 3.4    | 466          | 22              | 13,477              | 493         | 12,602                 | 425 |         |
| STATES- 11,13,14,21,23                           |  |  |  |  |             |                    |        |              | DIFF.           | 415                 | 27-         |                        |     |         |
|  |  |  |  |  | 2           | 10,400             | 3.7    | 380          |                 |                     |             |                        |     |         |
|  |  |  |  |  | 2           | 10,400             | 3.7    | 380          | 20              | 12,399              | 439         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 1999-               | 59-         |                        |     |         |
| 1269336 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 6           | 14,823             | 3.7    | 543          |                 |                     |             |                        |     |         |
| STATES- 35                                       |  |  |  |  | 6           | 14,823             | 3.7    | 543          | 32              | 14,705              | 568         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 118                 | 25-         |                        |     |         |
| 1269347 .....                                    |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
|  |  |  |  |  | 9           | 11,883             | 3.7    | 441          |                 |                     |             |                        |     |         |
| STATES- 43                                       |  |  |  |  | 9           | 11,883             | 3.7    | 441          | 17              | 12,710              | 480         |                        |     |         |
|  |  |  |  |  |             |                    |        |              | DIFF.           | 827-                | 39-         |                        |     |         |
| 1269391 RYANCREST GOLDEN REWARD.....             |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 12-05-55 1151349 2330519 29 NDN-AI DAUGHTERS     |  |  |  |  | 37          | 16,190             | 4.0    | 644          |                 |                     |             |                        |     |         |
| AI STUD, 51-02 LISTED, D8-63 29 WITH HERD-MATES  |  |  |  |  | 37          | 16,190             | 4.0    | 644          | 19              | 15,516              | 618         |                        |     |         |
| STATES- 16,22,23,50,51,52                        |  |  |  |  |             |                    |        |              | DIFF.           | 674                 | 26          |                        |     |         |
| 1269459 SKOKIE GOLDEN LEADER.....                |  |  |  |  |             |                    |        |              |                 |                     |             |                        |     |         |
| 09-07-55 1079736 2724579 27 NDN-AI DAUGHTERS     |  |  |  |  | 40          | 14,271             | 3.8    | 538          |                 |                     |             |                        |     |         |
| AI STUD, 35-02 LISTED, O8-63 27 WITH HERD-MATES  |  |  |  |  | 40          | 14,271             | 3.8    | 538          | 12              | 14,308              | 509         |                        |     |         |
| STATES- 48,73                                    |  |  |  |  |             |                    |        |              | DIFF.           | 37-                 | 29          |                        |     |         |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN   | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1269479 ROCK RIVER MASTER GEWINA.....            |                        |            |           |           |                     |            |           |               |           |
| 01-23-56 1216567 3160755 127 AI DAUGHTERS        | 183                    | 12,893     | 3.9       | 497       |                     |            |           |               |           |
| AI STUD, 35-02 LISTED, 08-63 124 WITH HERD-MATES | 179                    | 12,886     | 3.9       | 497       |                     |            |           |               |           |
| STATES- 23,33,34,35,48                           |                        |            |           |           | 14                  | 12,795     | 467       | 12,278        | 473       |
|  |                        |            |           |           | DIFF.               | 91         | 30        |               |           |
| 1269546 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 14,16                                    | 6                      | 12,419     | 3.7       | 465       | 17                  | 12,620     | 470       |               |           |
|  | 6                      | 12,419     | 3.7       | 465       | DIFF.               | 201-       | 5-        |               |           |
| 1269558 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 51,52,55                                 | 11                     | 14,616     | 3.9       | 567       | 13                  | 13,291     | 497       |               |           |
|  | 10                     | 14,588     | 3.9       | 567       | DIFF.               | 1297       | 70        |               |           |
| 1269588 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 55                                       | 5                      | 12,970     | 3.6       | 463       | 10                  | 12,792     | 468       |               |           |
|  | 5                      | 12,970     | 3.6       | 463       | DIFF.               | 178        | 5-        |               |           |
| 1269678 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 13,55                                    | 6                      | 13,145     | 3.9       | 508       | 12                  | 14,122     | 529       |               |           |
|  | 6                      | 13,145     | 3.9       | 508       | DIFF.               | 977-       | 21-       |               |           |
| 1269888 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 14                                       | 5                      | 13,007     | 3.9       | 508       | 15                  | 13,432     | 502       |               |           |
|  | 5                      | 13,007     | 3.9       | 508       | DIFF.               | 425-       | 6         |               |           |
| 1269968 BUTTERNUT CREEK DEAN ADAM.....           |                        |            |           |           |                     |            |           |               |           |
| 01-12-56 846425 3346109 48 AI DAUGHTERS          | 58                     | 13,479     | 3.6       | 489       |                     |            |           |               |           |
| AI STUD, 21-01 LISTED, 08-63 48 WITH HERD-MATES  | 58                     | 13,479     | 3.6       | 489       |                     |            |           |               |           |
| STATES- 13,21,23                                 |                        |            |           |           | 22                  | 13,160     | 475       | 12,472        | 458       |
|  |                        |            |           |           | DIFF.               | 319        | 14        |               |           |
| 1269984 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 35,51                                    | 7                      | 13,718     | 3.5       | 474       | 15                  | 14,099     | 484       |               |           |
|  | 7                      | 13,718     | 3.5       | 474       | DIFF.               | 381-       | 10-       |               |           |
| 1270143 PENSTATE MARSKMAN REFLECTION.....        |                        |            |           |           |                     |            |           |               |           |
| 11-01-55 010198998 2569786 87 AI DAUGHTERS       | 87                     | 13,183     | 3.8       | 504       |                     |            |           |               |           |
| AI STUD, 23-08 LISTED, 08-63 86 WITH HERD-MATES  | 86                     | 13,284     | 3.8       | 507       |                     |            |           |               |           |
| STATES- 23,50,51                                 |                        |            |           |           | 17                  | 13,482     | 517       | 12,080        | 441       |
|  |                        |            |           |           | DIFF.               | 198-       | 10-       |               |           |
|  | 14                     | 16,431     | 4.2       | 689       | 22                  | 16,355     | 669       |               |           |
|  | 14                     | 16,431     | 4.2       | 689       | DIFF.               | 76         | 20        |               |           |
| 1270338 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 41                                       | 5                      | 13,550     | 3.7       | 497       | 13                  | 15,092     | 554       |               |           |
|  | 5                      | 13,550     | 3.7       | 497       | DIFF.               | 1542-      | 57-       |               |           |
| 1270498 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 34                                       | 6                      | 10,090     | 3.5       | 355       | 6                   | 11,383     | 411       |               |           |
|  | 5                      | 10,556     | 3.6       | 376       | DIFF.               | 827-       | 35-       |               |           |
| 1270608 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 35                                       | 7                      | 14,209     | 3.5       | 502       | 9                   | 13,608     | 474       |               |           |
|  | 7                      | 14,209     | 3.5       | 502       | DIFF.               | 601        | 28        |               |           |
| 1270688 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 41                                       | 5                      | 13,518     | 3.6       | 482       | 13                  | 10,853     | 368       |               |           |
|  | 5                      | 13,518     | 3.6       | 482       | DIFF.               | 2665       | 114       |               |           |
| 1270758 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 31                                       | 6                      | 13,093     | 3.2       | 417       | 21                  | 12,841     | 446       |               |           |
|  | 6                      | 13,093     | 3.2       | 417       | DIFF.               | 252        | 29-       |               |           |
| 1270932 W & G O-M. LUCIFER DEAN LINCOLN.....     |                        |            |           |           |                     |            |           |               |           |
| 02-12-56 769170 2958974 69 AI DAUGHTERS          | 101                    | 13,834     | 3.6       | 497       |                     |            |           |               |           |
| AI STUD, 21-01 LISTED, 08-63 68 WITH HERD-MATES  | 100                    | 13,844     | 3.6       | 498       |                     |            |           |               |           |
| STATES- 13,21,23                                 |                        |            |           |           | 22                  | 13,530     | 488       | 12,520        | 456       |
|  |                        |            |           |           | DIFF.               | 314        | 10        |               |           |
| 1270984 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 43,73,74                                 | 9                      | 12,454     | 3.8       | 476       | 11                  | 12,406     | 448       |               |           |
|  | 9                      | 12,454     | 3.8       | 476       | DIFF.               | 48         | 28        |               |           |
| 1271019 MAVIEW OONLDGGIN DIRECT.....             |                        |            |           |           |                     |            |           |               |           |
| 12-21-55 972500 2978190 576 AI DAUGHTERS         | 821                    | 14,057     | 3.8       | 528       |                     |            |           |               |           |
| AI STUD, 23-04 LISTED, 08-63 570 WITH HERD-MATES | 810                    | 14,056     | 3.8       | 528       |                     |            |           |               |           |
| STATES- 21,23,51                                 |                        |            |           |           | 15                  | 13,733     | 518       | 12,604        | 460       |
|  |                        |            |           |           | DIFF.               | 323        | 10        |               |           |
| 1271075 DRMSBY HEUERS DUKE.....                  |                        |            |           |           |                     |            |           |               |           |
| 11-26-55 1255986 3395021 15 NDN-AI DAUGHTERS     | 19                     | 14,690     | 3.9       | 566       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 08-63 15 WITH HERD-MATES  | 19                     | 14,690     | 3.9       | 566       |                     |            |           |               |           |
| STATES- 41,46                                    |                        |            |           |           | 6                   | 13,687     | 518       |               |           |
|  |                        |            |           |           | DIFF.               | 1003       | 48        |               |           |
| 1271122 THONYMA DRMSBY LAO.....                  |                        |            |           |           |                     |            |           |               |           |
| 03-06-55 1196645 3417592 95 AI DAUGHTERS         | 95                     | 11,359     | 3.8       | 430       |                     |            |           |               |           |
| AI STUD, 48-01 LISTED, 08-63 92 WITH HERD-MATES  | 92                     | 11,328     | 3.8       | 429       |                     |            |           |               |           |
| STATES- 48,74                                    |                        |            |           |           | 19                  | 11,851     | 434       | 11,650        | 439       |
|  |                        |            |           |           | DIFF.               | 523-       | 5-        |               |           |
|  | 35                     | 13,824     | 3.8       | 525       |                     |            |           |               |           |
|  | 35                     | 13,824     | 3.8       | 525       |                     |            |           |               |           |
|  |                        |            |           |           | 11                  | 13,531     | 509       |               |           |
|  |                        |            |           |           | DIFF.               | 293        | 16        |               |           |
| 1271486 .....                                    |                        |            |           |           |                     |            |           |               |           |
| STATES- 22,35                                    | 5                      | 13,900     | 3.6       | 502       | 8                   | 14,118     | 514       |               |           |
|  | 5                      | 13,900     | 3.6       | 502       | DIFF.               | 218-       | 12-       |               |           |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |              |           | PREDICTED AV. |           |
|--|------------------------|------------|-----------|-----------|---------------------|--------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB   | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1271507 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 22   | 5 NON-AI DAUGHTERS     | 8 14,357   | 3.6       | 516       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 8 14,357   | 3.6       | 516       | 16 DIFF.            | 14,924 567-  | 556 40-   |               |           |
| 1271557 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 74   | 5 NON-AI DAUGHTERS     | 5 17,040   | 3.8       | 642       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 5 17,040   | 3.8       | 642       | 20 DIFF.            | 15,495 1545  | 603 39    |               |           |
| 1271622 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 23,31  | 5 NON-AI DAUGHTERS     | 7 14,588   | 3.8       | 551       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 6 14,243   | 3.8       | 537       | 4 DIFF.             | 13,499 744   | 510 27    |               |           |
| 1271688 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 21   | 7 NON-AI DAUGHTERS     | 10 14,759  | 3.5       | 516       |                     |              |           |               |           |
|  | 7 WITH HERD-MATES      | 10 14,759  | 3.5       | 516       | 14 DIFF.            | 13,415 1344  | 467 49    |               |           |
| 1271810 TIOY BURKE ELEVATION.....                                      |                        |            |           |           |                     |              |           |               |           |
| 03-23-55 1013415 3348181   | 24 NON-AI DAUGHTERS    | 47 15,494  | 3.6       | 554       |                     |              |           |               |           |
| AI STUD, 31-02 LISTED, 08-63   | 24 WITH HERD-MATES     | 45 15,388  | 3.6       | 550       | 10 DIFF.            | 13,596 1792  | 491 59    |               |           |
| STATES- 48   |                        |            |           |           |                     |              |           |               |           |
| 1272013 STONEFIELD DEAN LUCIFER XMAS.....                              |                        |            |           |           |                     |              |           |               |           |
| 12-25-55 769170 2722255  | 141 AI DAUGHTERS       | 272 14,180 | 3.5       | 498       |                     |              |           |               |           |
| AI STUD, 21-01 LISTED, 08-63   | 127 WITH HERD-MATES    | 257 14,150 | 3.5       | 496       | 19 DIFF.            | 13,156 994   | 474 22    | 13,132        | 467       |
| STATES- 13,14,21,22,51   |                        |            |           |           |                     |              |           |               |           |
| 1272157 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 33,35  | 5 NON-AI DAUGHTERS     | 6 13,973   | 3.6       | 505       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 6 13,973   | 3.6       | 505       | 11 DIFF.            | 13,827 146   | 493 12    |               |           |
| 1272168 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 52   | 7 NON-AI DAUGHTERS     | 10 14,930  | 4.0       | 604       |                     |              |           |               |           |
|  | 7 WITH HERD-MATES      | 10 14,930  | 4.0       | 604       | 10 DIFF.            | 14,034 896   | 527 77    |               |           |
| 1272308 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 42   | 15 NON-AI DAUGHTERS    | 15 14,701  | 3.8       | 560       |                     |              |           |               |           |
|  | 15 WITH HERD-MATES     | 15 14,701  | 3.8       | 560       | 10 DIFF.            | 12,743 1958  | 492 68    |               |           |
| 1272355 ADOHR GOLDEN PONTIFF.....                                      |                        |            |           |           |                     |              |           |               |           |
| 08-12-55 1215448 2412184   | 116 AI DAUGHTERS       | 137 12,343 | 3.6       | 443       |                     |              |           |               |           |
| AI STUD, 33-03 LISTED, 08-63   | 115 WITH HERD-MATES    | 135 12,350 | 3.6       | 443       | 15 DIFF.            | 13,186 836-  | 484 41-   | 11,477        | 411       |
| STATES- 11,14,15,16,21,23,31,32,33,34,35,41,42,43,47,50,51,52,54,61,92 |                        |            |           |           |                     |              |           |               |           |
| 1272395 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 42   | 5 NON-AI DAUGHTERS     | 8 13,126   | 3.6       | 469       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 8 13,126   | 3.6       | 469       | 6 DIFF.             | 13,299 173-  | 473 4-    |               |           |
| 1272495 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 22   | 5 NON-AI DAUGHTERS     | 6 14,129   | 3.6       | 514       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 6 14,129   | 3.6       | 514       | 13 DIFF.            | 14,690 561-  | 554 40-   |               |           |
| 1272520 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 21   | 5 NON-AI DAUGHTERS     | 6 10,799   | 3.6       | 389       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 6 10,799   | 3.6       | 389       | 14 DIFF.            | 12,821 2022- | 468 79-   |               |           |
| 1272648 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 32   | 5 NON-AI DAUGHTERS     | 5 12,852   | 3.7       | 471       |                     |              |           |               |           |
|  | 5 WITH HERD-MATES      | 5 12,852   | 3.7       | 471       | 11 DIFF.            | 13,781 929-  | 505 34-   |               |           |
| 1272744 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 31   | 6 NON-AI DAUGHTERS     | 6 12,303   | 3.4       | 413       |                     |              |           |               |           |
|  | 6 WITH HERD-MATES      | 6 12,303   | 3.4       | 413       | 15 DIFF.            | 12,926 623-  | 451 38-   |               |           |
| 1272746 CARNATION WALKAWAY.....  |                        |            |           |           |                     |              |           |               |           |
| 10-28-55 1152252 3263403   | 1 AI DAUGHTERS         | 1 11,630   | 3.6       | 419       |                     |              |           |               |           |
| AI STUD, 41-01 LISTED, 08-63   | 1 WITH HERD-MATES      | 1 11,630   | 3.6       | 419       | 8 DIFF.             | 12,104 474-  | 454 35-   | 12,102        | 442       |
| STATES- 41,82,87   |                        |            |           |           |                     |              |           |               |           |
|  | 26 NON-AI DAUGHTERS    | 39 13,714  | 3.4       | 471       |                     |              |           |               |           |
|  | 24 WITH HERD-MATES     | 35 13,647  | 3.4       | 468       | 8 DIFF.             | 13,272 375   | 455 13    |               |           |
| 1272863 OONMAC DAUNTLESS PRESIDENT.....                                |                        |            |           |           |                     |              |           |               |           |
| 12-10-54 1071565 2795597   | 11 NON-AI DAUGHTERS    | 22 14,876  | 3.7       | 550       |                     |              |           |               |           |
| AI STUD, 35-02 LISTED, 08-63   | 11 WITH HERD-MATES     | 22 14,876  | 3.7       | 550       | 7 DIFF.             | 12,918 1958  | 486 64    |               |           |
| STATES- 12,13  |                        |            |           |           |                     |              |           |               |           |
| 1272896 EASTHAVEN DEAN SPARKER.....                                    |                        |            |           |           |                     |              |           |               |           |
| 10-04-54 1081684 2858779   | 25 NON-AI DAUGHTERS    | 50 16,694  | 4.0       | 660       |                     |              |           |               |           |
| AI STUD, 35-75 LISTED, 08-63   | 25 WITH HERD-MATES     | 49 16,730  | 4.0       | 662       | 17 DIFF.            | 16,041 689   | 602 60    |               |           |
| STATES- 32   |                        |            |           |           |                     |              |           |               |           |
| 1272979 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 41   | 8 NON-AI DAUGHTERS     | 8 12,746   | 3.6       | 458       |                     |              |           |               |           |
|  | 6 WITH HERD-MATES      | 6 14,002   | 3.6       | 502       | 5 DIFF.             | 11,899 2103  | 418 84    |               |           |
| 1272998 .....  |                        |            |           |           |                     |              |           |               |           |
| STATES- 11   | 6 NON-AI DAUGHTERS     | 6 12,815   | 3.4       | 442       |                     |              |           |               |           |
|  | 6 WITH HERD-MATES      | 6 12,815   | 3.4       | 442       | 7 DIFF.             | 12,507 308   | 441 1     |               |           |



## SIRE OF DHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTERS   |  |  |  | AV. RECORDS | PRODUCTION       | OF   | DAU.   | ADJ. AV. | HERD-MATES | AV.   | PREDICTED AV. |      |  |
|--|--|--|--|-------------|------------------|------|--------|----------|------------|-------|---------------|------|--|
|  |  |  |  | NUMBER      | MILK             | TEST | FAT    | NUMBER   | MILK       | FAT   | MILK          | FAT  |  |
|  |  |  |  |             | LB               | %    | LB     |          | LB         | LB    | LB            | LB   |  |
| 1273587 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 23   |  |  |  | 11          | NON-AI DAUGHTERS | 11   | 12,708 | 3.5      | 443        |       |               |      |  |
|  |  |  |  | 11          | WITH HERD-MATES  | 11   | 12,708 | 3.5      | 443        | 16    | 13,031        | 481  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 323-          | 38-  |  |
| 1273606 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 23   |  |  |  | 5           | NDN-AI DAUGHTERS | 5    | 9,842  | 3.6      | 353        |       |               |      |  |
|  |  |  |  | 5           | WITH HERD-MATES  | 5    | 9,842  | 3.6      | 353        | 3     | 12,233        | 458  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 2391-         | 105- |  |
| 1273734 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 34,52  |  |  |  | 18          | NDN-AI DAUGHTERS | 23   | 12,380 | 3.4      | 422        |       |               |      |  |
|  |  |  |  | 18          | WITH HERD-MATES  | 23   | 12,380 | 3.4      | 422        | 12    | 11,679        | 411  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 701           | 11   |  |
| 1273748 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 31   |  |  |  | 6           | NDN-AI DAUGHTERS | 6    | 12,370 | 3.7      | 456        |       |               |      |  |
|  |  |  |  | 6           | WITH HERD-MATES  | 6    | 12,370 | 3.7      | 456        | 22    | 11,702        | 432  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 668           | 24   |  |
| 1273756 DS8DRNDAL ERI DRMSBY FDBES.....                                  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| 05-15-55 934577 3183213 478 AI DAUGHTERS                                 |  |  |  | 732         | 14,420           | 3.8  | 548    |          |            |       |               |      |  |
| AI STUD, 16-04 LISTED, 08-63 438 WITH HERD-MATES                         |  |  |  | 687         | 14,514           | 3.8  | 551    | 19       | 13,450     | 499   | 13,294        | 499  |  |
| STATES- 12,14,15,16,21,52,58   |  |  |  |             |                  |      |        | DIFF.    | 1064       | 52    |               |      |  |
|  |  |  |  | 2           | NON-AI DAUGHTERS | 2    | 12,475 | 4.3      | 539        |       |               |      |  |
|  |  |  |  | 1           | WITH HERD-MATES  | 1    | 10,430 | 3.7      | 388        | 9     | 11,368        | 430  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 938-          | 42-  |  |
| 1273796 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 23   |  |  |  | 7           | NDN-AI DAUGHTERS | 7    | 9,970  | 3.4      | 338        |       |               |      |  |
|  |  |  |  | 7           | WITH HERD-MATES  | 7    | 9,970  | 3.4      | 338        | 10    | 12,122        | 417  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 2152-         | 79-  |  |
| 1274084 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 21   |  |  |  | 6           | NDN-AI DAUGHTERS | 6    | 15,232 | 3.4      | 518        |       |               |      |  |
|  |  |  |  | 6           | WITH HERD-MATES  | 6    | 15,232 | 3.4      | 518        | 15    | 13,401        | 469  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 1831          | 49   |  |
| 1274153 RAMACD BURKE HDMESTAD KING.....                                  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| 01-11-56 1120027 2580406 58 AI DAUGHTERS                                 |  |  |  | 72          | 12,863           | 3.5  | 456    |          |            |       |               |      |  |
| AI STUD, 35-04 LISTED, 08-63 58 WITH HERD-MATES                          |  |  |  | 72          | 12,863           | 3.5  | 456    | 14       | 13,168     | 480   | 11,969        | 428  |  |
| STATES- 16,35,41,42,56   |  |  |  |             |                  |      |        | DIFF.    | 305-       | 24-   |               |      |  |
|  |  |  |  | 7           | NDN-AI DAUGHTERS | 16   | 12,201 | 3.7      | 452        |       |               |      |  |
|  |  |  |  | 7           | WITH HERD-MATES  | 16   | 12,201 | 3.7      | 452        | 13    | 14,371        | 530  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 2170-         | 78-  |  |
| 1274218 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 21   |  |  |  | 5           | NON-AI DAUGHTERS | 7    | 10,118 | 3.7      | 376        |       |               |      |  |
|  |  |  |  | 5           | WITH HERD-MATES  | 7    | 10,118 | 3.7      | 376        | 13    | 11,559        | 409  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 1441-         | 33-  |  |
| 1274339 THREE STATE BURKGDV FRDST.....                                   |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| 11-23-55 1038509 3676323 27 AI DAUGHTERS                                 |  |  |  | 30          | 13,426           | 3.5  | 469    |          |            |       |               |      |  |
| AI STUD, 41-01 LISTED, 08-63 26 WITH HERD-MATES                          |  |  |  | 29          | 13,500           | 3.5  | 470    | 29       | 12,610     | 456   | 12,772        | 454  |  |
| STATES- 41,42,45,46  |  |  |  |             |                  |      |        | DIFF.    | 890        | 14    |               |      |  |
| 1274401 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 21   |  |  |  | 5           | NDN-AI DAUGHTERS | 6    | 7,994  | 3.8      | 305        |       |               |      |  |
|  |  |  |  | 5           | WITH HERD-MATES  | 6    | 7,994  | 3.8      | 305        | 7     | 8,802         | 327  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 808-          | 22-  |  |
| 1274684 SKDKIE CREATION MISTER.....                                      |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| 11-25-55 1126982 2760877 183 AI DAUGHTERS                                |  |  |  | 193         | 12,840           | 3.6  | 459    |          |            |       |               |      |  |
| AI STUD, 33-03 LISTED, 08-63 181 WITH HERD-MATES                         |  |  |  | 190         | 12,862           | 3.6  | 460    | 15       | 13,073     | 482   | 12,026        | 427  |  |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,35,41,42,43,46, 48,51,52,54 |  |  |  |             |                  |      |        | DIFF.    | 211-       | 22-   |               |      |  |
|  |  |  |  | 7           | NDN-AI DAUGHTERS | 8    | 12,669 | 3.8      | 486        |       |               |      |  |
|  |  |  |  | 7           | WITH HERD-MATES  | 8    | 12,669 | 3.8      | 486        | 17    | 13,189        | 476  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 520-          | 10   |  |
| 1274799 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 21   |  |  |  | 12          | NON-AI DAUGHTERS | 13   | 14,555 | 3.9      | 567        |       |               |      |  |
|  |  |  |  | 12          | WITH HERD-MATES  | 13   | 14,555 | 3.9      | 567        | 5     | 12,117        | 464  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 2438          | 103  |  |
| 1274881 HIGH MEADW FARM ADMIRAL.....                                     |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| 02-04-56 769170 3592631 14 AI DAUGHTERS                                  |  |  |  | 23          | 13,866           | 3.6  | 499    |          |            |       |               |      |  |
| AI STUD, 21-01 LISTED, 08-63 14 WITH HERD-MATES                          |  |  |  | 22          | 13,948           | 3.6  | 503    | 16       | 12,642     | 462   | 12,854        | 467  |  |
| STATES- 13,21,23   |  |  |  |             |                  |      |        | DIFF.    | 1306       | 41    |               |      |  |
| 1274936 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 41   |  |  |  | 9           | NDN-AI DAUGHTERS | 11   | 12,253 | 3.7      | 449        |       |               |      |  |
|  |  |  |  | 6           | WITH HERD-MATES  | 7    | 11,285 | 3.6      | 410        | 12    | 11,962        | 430  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 677-          | 20-  |  |
| 1274971 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 91   |  |  |  | 31          | NON-AI DAUGHTERS | 59   | 16,354 | 3.6      | 584        |       |               |      |  |
|  |  |  |  | 31          | WITH HERD-MATES  | 59   | 16,354 | 3.6      | 584        | 31    | 15,885        | 552  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 469           | 32   |  |
| 1275017 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 63   |  |  |  | 5           | NDN-AI DAUGHTERS | 5    | 15,930 | 3.5      | 557        |       |               |      |  |
|  |  |  |  | 5           | WITH HERD-MATES  | 5    | 15,930 | 3.5      | 557        | 6     | 13,857        | 514  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 2073          | 43   |  |
| 1275190 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 51,52,55   |  |  |  | 5           | NDN-AI DAUGHTERS | 7    | 14,671 | 3.6      | 531        |       |               |      |  |
|  |  |  |  | 5           | WITH HERD-MATES  | 7    | 14,671 | 3.6      | 531        | 17    | 12,736        | 474  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 1935          | 57   |  |
| 1275215 .....  |  |  |  |             |                  |      |        |          |            |       |               |      |  |
| STATES- 52   |  |  |  | 6           | NDN-AI DAUGHTERS | 6    | 12,708 | 3.7      | 471        |       |               |      |  |
|  |  |  |  | 6           | WITH HERD-MATES  | 6    | 12,708 | 3.7      | 471        | 19    | 14,040        | 490  |  |
|  |  |  |  |             |                  |      |        |          |            | DIFF. | 1332-         | 19-  |  |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN                             |       |     |                  | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--------------------------------------|-------|-----|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1275235                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 35    | 5   | NDN-AI DAUGHTERS | 7           | 9,805              | 3.6       | 357         |                 |                    |            |                   |            |
|                                      |       | 5   | WITH HERD-MATES  | 7           | 9,805              | 3.6       | 357         | 4               | 11,320             | 419        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 1515-              | 62-        |                   |            |
| 1275408                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 35    | 8   | NON-AI DAUGHTERS | 8           | 12,788             | 3.8       | 483         |                 |                    |            |                   |            |
|                                      |       | 8   | WITH HERD-MATES  | 8           | 12,788             | 3.8       | 483         | 5               | 12,883             | 466        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 95-                | 17         |                   |            |
| 1275438                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 21    | 9   | NON-AI DAUGHTERS | 9           | 13,530             | 3.7       | 507         |                 |                    |            |                   |            |
|                                      |       | 9   | WITH HERD-MATES  | 9           | 13,530             | 3.7       | 507         | 35              | 14,159             | 523        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 629-               | 16-        |                   |            |
| 1275532                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 51    | 9   | NDN-AI DAUGHTERS | 9           | 14,961             | 3.6       | 537         |                 |                    |            |                   |            |
|                                      |       | 8   | WITH HERD-MATES  | 8           | 15,090             | 3.5       | 535         | 5               | 13,911             | 505        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 1179               | 30         |                   |            |
| 1275547                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 35,61 | 5   | NDN-AI DAUGHTERS | 8           | 11,745             | 3.6       | 427         |                 |                    |            |                   |            |
|                                      |       | 4   | WITH HERD-MATES  | 7           | 11,504             | 3.7       | 428         | 10              | 12,410             | 451        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 906-               | 23-        |                   |            |
| 1275604 LOMADA MASTERPIECE GLEN..... |       |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 02-28-56 929962 3959005              |       | 79  | AI DAUGHTERS     | 144         | 13,414             | 3.6       | 484         |                 |                    |            |                   |            |
| AI STUO, 21-01 LISTED, 08-63         |       | 77  | WITH HERD-MATES  | 142         | 13,401             | 3.6       | 484         | 20              | 13,266             | 477        | 12,348            | 453        |
| STATES-                              | 13,21 |     |                  |             |                    |           |             | DIFF.           | 135                | 7          |                   |            |
| 1275678                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 35    | 11  | NDN-AI DAUGHTERS | 11          | 14,211             | 3.4       | 489         |                 |                    |            |                   |            |
|                                      |       | 11  | WITH HERD-MATES  | 11          | 14,211             | 3.4       | 489         | 5               | 13,412             | 467        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 799                | 22         |                   |            |
| 1275708                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 23    | 7   | NDN-AI DAUGHTERS | 7           | 10,060             | 3.8       | 383         |                 |                    |            |                   |            |
|                                      |       | 7   | WITH HERD-MATES  | 7           | 10,060             | 3.8       | 383         | 4               | 10,974             | 421        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 914-               | 38-        |                   |            |
| 1275721                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 23    | 8   | NDN-AI DAUGHTERS | 8           | 14,690             | 3.9       | 576         |                 |                    |            |                   |            |
|                                      |       | 8   | WITH HERD-MATES  | 8           | 14,690             | 3.9       | 576         | 8               | 14,013             | 567        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 677                | 9          |                   |            |
| 1275898                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 61    | 10  | NDN-AI DAUGHTERS | 15          | 12,929             | 3.5       | 450         |                 |                    |            |                   |            |
|                                      |       | 10  | WITH HERD-MATES  | 15          | 12,929             | 3.5       | 450         | 15              | 12,479             | 463        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 450                | 13-        |                   |            |
| 1275958                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 21    | 11  | NDN-AI DAUGHTERS | 11          | 11,385             | 3.7       | 425         |                 |                    |            |                   |            |
|                                      |       | 11  | WITH HERD-MATES  | 11          | 11,385             | 3.7       | 425         | 35              | 11,520             | 440        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 135-               | 15-        |                   |            |
| 1276045                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 31    | 5   | NDN-AI DAUGHTERS | 5           | 17,300             | 3.6       | 621         |                 |                    |            |                   |            |
|                                      |       | 5   | WITH HERD-MATES  | 5           | 17,300             | 3.6       | 621         | 8               | 16,673             | 605        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 627                | 16         |                   |            |
| 1276048                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 23,34 | 11  | NDN-AI DAUGHTERS | 11          | 14,222             | 3.8       | 537         |                 |                    |            |                   |            |
|                                      |       | 10  | WITH HERD-MATES  | 10          | 14,103             | 3.8       | 537         | 6               | 12,749             | 490        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 1354               | 47         |                   |            |
| 1276089 EXPANCD LEADER.....          |       |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 02-13-52 1150470 3547421             |       | 9   | AI DAUGHTERS     | 14          | 16,106             | 3.4       | 550         |                 |                    |            |                   |            |
| AI STUO, 93-03 LISTED, 08-63         |       | 9   | WITH HERD-MATES  | 14          | 16,106             | 3.4       | 550         | 152             | 15,355             | 561        | 12,586            | 444        |
| STATES-                              | 93    |     |                  |             |                    |           |             | DIFF.           | 751                | 11-        |                   |            |
| 1276118                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 35    | 5   | NON-AI DAUGHTERS | 5           | 12,076             | 4.0       | 483         |                 |                    |            |                   |            |
|                                      |       | 5   | WITH HERD-MATES  | 5           | 12,076             | 4.0       | 483         | 14              | 13,017             | 487        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 941-               | 4-         |                   |            |
| 1276262                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 51    | 6   | NDN-AI DAUGHTERS | 6           | 13,960             | 3.6       | 507         |                 |                    |            |                   |            |
|                                      |       | 6   | WITH HERD-MATES  | 6           | 13,960             | 3.6       | 507         | 9               | 12,734             | 491        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 1226               | 16         |                   |            |
| 1276344 UNH QUARTERMASTER.....       |       |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 03-31-56 1071565 2726492             |       | 150 | AI DAUGHTERS     | 182         | 13,338             | 3.8       | 505         |                 |                    |            |                   |            |
| AI STUO, 33-02 LISTED, 08-63         |       | 149 | WITH HERD-MATES  | 180         | 13,344             | 3.8       | 505         | 12              | 12,545             | 463        | 12,908            | 484        |
| STATES-                              | 33    |     |                  |             |                    |           |             | DIFF.           | 799                | 42         |                   |            |
| 1276508                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 13    | 6   | NON-AI DAUGHTERS | 6           | 12,222             | 3.7       | 455         |                 |                    |            |                   |            |
|                                      |       | 6   | WITH HERD-MATES  | 6           | 12,222             | 3.7       | 455         | 6               | 11,292             | 419        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 930                | 36         |                   |            |
| 1276524                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 33    | 5   | NDN-AI DAUGHTERS | 7           | 15,268             | 3.8       | 583         |                 |                    |            |                   |            |
|                                      |       | 5   | WITH HERD-MATES  | 7           | 15,268             | 3.8       | 583         | 7               | 14,062             | 530        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 1206               | 53         |                   |            |
| 1276558                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 34    | 12  | NON-AI DAUGHTERS | 12          | 11,038             | 3.7       | 403         |                 |                    |            |                   |            |
|                                      |       | 12  | WITH HERD-MATES  | 12          | 11,038             | 3.7       | 403         | 19              | 11,061             | 400        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 23-                | 3          |                   |            |
| 1276615                              | ..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| STATES-                              | 73    | 9   | NDN-AI DAUGHTERS | 11          | 11,493             | 3.5       | 405         |                 |                    |            |                   |            |
|                                      |       | 9   | WITH HERD-MATES  | 11          | 11,493             | 3.5       | 405         | 14              | 11,550             | 415        |                   |            |
|                                      |       |     |                  |             |                    |           |             | DIFF.           | 57-                | 10-        |                   |            |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF |                  |      |        | DAU. | ADJ. HERD-MATES |       |        | PREDICTED |            |
|---|-------------------|------------------|------|--------|------|-----------------|-------|--------|-----------|------------|
|   | RECORDS           | MILK             | TEST | FAT    |      | AV.             | MILK  | FAT    | MILK      | FAT        |
|   | NUMBER            | LB               | %    | LB     |      | NUMBER          | LB    | LB     | LB        | LB         |
| 1276778 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 23  | 15                | NON-AI DAUGHTERS | 16   | 13,781 | 3.5  | 477             |       |        |           |            |
|   | 15                | WITH HERD-MATES  | 16   | 13,781 | 3.5  | 477             | 27    | 13,861 | 507       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 80-    | 30-       |            |
| 1276828 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 21  | 5                 | NON-AI DAUGHTERS | 6    | 11,067 | 3.3  | 369             |       |        |           |            |
|   | 5                 | WITH HERD-MATES  | 6    | 11,067 | 3.3  | 369             | 7     | 12,714 | 440       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 1647-  | 71-       |            |
| 1276888 MAVIEW CARROLL DIRECT HEARTY.....                             |                   |                  |      |        |      |                 |       |        |           |            |
| 04-06-56 928378 2874902 224 AI DAUGHTERS                              | 240               | 14,344           | 3.8  | 550    |      |                 |       |        |           |            |
| AI STUO, 23-04 LISTED, 08-63 223 WITH HERD-MATES                      | 237               | 14,355           | 3.8  | 550    |      |                 | 17    | 13,749 | 520       | 12,856 480 |
| STATES- 21,22,23  |                   |                  |      |        |      |                 | DIFF. | 606    | 30        |            |
|   | 1                 | NON-AI DAUGHTERS | 1    | 15,030 | 4.0  | 603             |       |        |           |            |
|   | 1                 | WITH HERD-MATES  | 1    | 15,030 | 4.0  | 603             | 18    | 14,829 | 598       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 201    | 5         |            |
| 1276958 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| AI STUO, 87-01  | 13                | NON-AI DAUGHTERS | 15   | 14,942 | 3.6  | 533             |       |        |           |            |
| STATES- 87  | 11                | WITH HERD-MATES  | 13   | 15,035 | 3.6  | 534             | 7     | 13,861 | 498       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 1174   | 36        |            |
| 1277213 PRINCE X. GYPSIE LEADER.....                                  |                   |                  |      |        |      |                 |       |        |           |            |
| 11-24-55 1195221 3774745 24 NON-AI DAUGHTERS                          | 41                | 14,579           | 4.2  | 608    |      |                 |       |        |           |            |
| AI STUO, 35-75 LISTED, 08-63 24 WITH HERD-MATES                       | 40                | 14,570           | 4.2  | 607    |      |                 | 5     | 13,521 | 508       |            |
| STATES- 41  |                   |                  |      |        |      |                 | DIFF. | 1049   | 99        |            |
| 1277301 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 23  | 8                 | NON-AI DAUGHTERS | 12   | 12,624 | 3.8  | 484             |       |        |           |            |
|   | 8                 | WITH HERD-MATES  | 12   | 12,624 | 3.8  | 484             | 7     | 12,400 | 466       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 224    | 18        |            |
| 1277327 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 52  | 13                | NON-AI DAUGHTERS | 16   | 12,445 | 3.7  | 466             |       |        |           |            |
|   | 13                | WITH HERD-MATES  | 16   | 12,445 | 3.7  | 466             | 29    | 13,080 | 486       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 635-   | 20-       |            |
| 1277493 GLENAFTON JESTER.....   |                   |                  |      |        |      |                 |       |        |           |            |
| 01-03-55 010239301 010800559 6 AI DAUGHTERS                           | 6                 | 12,202           | 3.3  | 407    |      |                 |       |        |           |            |
| AI STUO, 35-03 LISTED, 08-63 5 WITH HERD-MATES                        | 5                 | 12,842           | 3.3  | 423    |      |                 | 14    | 12,820 | 460       | 12,161 434 |
| STATES- 33,35,41,74   |                   |                  |      |        |      |                 | DIFF. | 22     | 37-       |            |
|   | 18                | NON-AI DAUGHTERS | 30   | 13,054 | 3.7  | 486             |       |        |           |            |
|   | 18                | WITH HERD-MATES  | 30   | 13,054 | 3.7  | 486             | 10    | 12,266 | 460       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 788    | 26        |            |
| 1277538 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 56  | 12                | NON-AI DAUGHTERS | 12   | 9,838  | 3.5  | 340             |       |        |           |            |
|   | 12                | WITH HERD-MATES  | 12   | 9,838  | 3.5  | 340             | 12    | 11,532 | 420       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 1694-  | 80-       |            |
| 1277619 CARNATION MADCAP GRANDIER.....                                |                   |                  |      |        |      |                 |       |        |           |            |
| 01-04-56 1152252 3339580 338 AI DAUGHTERS                             | 488               | 14,596           | 3.6  | 519    |      |                 |       |        |           |            |
| AI STUO, 91-01 LISTED, 08-63 304 WITH HERD-MATES                      | 443               | 14,657           | 3.5  | 519    |      |                 | 15    | 14,124 | 508       | 12,838 460 |
| STATES- 81,91,92  |                   |                  |      |        |      |                 | DIFF. | 533    | 11        |            |
| 1277653 CHAIRALANE R. A. TRANSMITTER.....                             |                   |                  |      |        |      |                 |       |        |           |            |
| 11-18-55 1024453 2909445 30 NON-AI DAUGHTERS                          | 51                | 14,891           | 3.9  | 577    |      |                 |       |        |           |            |
| AI STUO, 35-75 LISTED, 08-63 30 WITH HERD-MATES                       | 51                | 14,891           | 3.9  | 577    |      |                 | 19    | 14,361 | 565       |            |
| STATES- 91  |                   |                  |      |        |      |                 | DIFF. | 530    | 12        |            |
| 1277901 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 21  | 5                 | NON-AI DAUGHTERS | 5    | 10,178 | 3.5  | 360             |       |        |           |            |
|   | 5                 | WITH HERD-MATES  | 5    | 10,178 | 3.5  | 360             | 25    | 10,659 | 363       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 481-   | 3-        |            |
| 1277903 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 91  | 6                 | NON-AI DAUGHTERS | 8    | 19,523 | 3.4  | 672             |       |        |           |            |
|   | 6                 | WITH HERD-MATES  | 8    | 19,523 | 3.4  | 672             | 23    | 17,053 | 611       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 2470   | 61        |            |
| 1277987 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 35  | 6                 | NON-AI DAUGHTERS | 6    | 8,305  | 4.2  | 348             |       |        |           |            |
|   | 6                 | WITH HERD-MATES  | 6    | 8,305  | 4.2  | 348             | 3     | 8,928  | 342       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 623-   | 6         |            |
| 1278099 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 22,23   | 5                 | NON-AI DAUGHTERS | 9    | 12,509 | 3.8  | 477             |       |        |           |            |
|   | 5                 | WITH HERD-MATES  | 9    | 12,509 | 3.8  | 477             | 16    | 13,167 | 486       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 658-   | 9-        |            |
| 1278204 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 34  | 6                 | NON-AI DAUGHTERS | 7    | 9,899  | 4.1  | 402             |       |        |           |            |
|   | 6                 | WITH HERD-MATES  | 7    | 9,899  | 4.1  | 402             | 5     | 11,403 | 415       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 1504-  | 13-       |            |
| 1278218 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 13,16   | 12                | NON-AI DAUGHTERS | 12   | 11,010 | 3.4  | 378             |       |        |           |            |
|   | 12                | WITH HERD-MATES  | 12   | 11,010 | 3.4  | 378             | 19    | 11,634 | 414       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 624-   | 36-       |            |
| 1278353 CYCLONE TRITOMIA FULL BACK.....                               |                   |                  |      |        |      |                 |       |        |           |            |
| 11-27-55 1215958 2899812 156 AI DAUGHTERS                             | 202               | 13,164           | 3.8  | 495    |      |                 |       |        |           |            |
| AI STUO, 33-03 LISTED, 08-63 151 WITH HERD-MATES                      | 195               | 13,200           | 3.8  | 496    |      |                 | 15    | 12,936 | 476       | 12,451 465 |
| STATES- 11,14,16,21,23,31,32, 33,34,35,41,42,43,47,50,51,52, 54,82,87 |                   |                  |      |        |      |                 | DIFF. | 264    | 20        |            |
|   | 1                 | NON-AI DAUGHTERS | 3    | 17,823 | 3.5  | 627             |       |        |           |            |
|   | 1                 | WITH HERD-MATES  | 3    | 17,823 | 3.5  | 627             | 7     | 14,443 | 524       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 3380   | 103       |            |
| 1278389 .....   |                   |                  |      |        |      |                 |       |        |           |            |
| STATES- 42  | 8                 | NON-AI DAUGHTERS | 9    | 11,083 | 3.7  | 409             |       |        |           |            |
|   | 8                 | WITH HERD-MATES  | 9    | 11,083 | 3.7  | 409             | 9     | 11,313 | 406       |            |
|   |                   |                  |      |        |      |                 | DIFF. | 230-   | 3         |            |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                               |     |                  | AV. PRODUCTION OF DAU. | AV. HERD-MATES AV. | AV. PREOICTED AV. |
|--|-----|------------------|------------------------|--------------------|-------------------|
|  |     |                  | RECORDS MILK TEST FAT  | AV. MILK FAT       | MILK FAT          |
|  |     |                  | NUMBER L8 % L8         | NUMBER L8 L8       | L8 L8             |
| 1278459 LONELM TEXAL DIAMOND.....      |     |                  |                        |                    |                   |
| 11-21-53 010160321 010800047           | 11  | NDN-AI DAUGHTERS | 21 13,125 3.7 486      |                    |                   |
| AI STUO, 42-02 LISTED, 08-63           | 11  | WITH HERD-MATES  | 21 13,125 3.7 486      | 10 13,749 498      |                   |
| STATES- 87                             |     |                  |                        | DIFF. 624- 12-     |                   |
| 1278488 .....                          |     |                  |                        |                    |                   |
| STATES- 32,34                          | 6   | NON-AI DAUGHTERS | 6 12,485 3.7 465       |                    |                   |
|  | 6   | WITH HERD-MATES  | 6 12,485 3.7 465       | 15 11,852 447      |                   |
|  |     |                  |                        | DIFF. 633 18       |                   |
| 1278578 .....                          |     |                  |                        |                    |                   |
| STATES- 23,57                          | 6   | NDN-AI DAUGHTERS | 6 13,202 4.2 552       |                    |                   |
|  | 6   | WITH HERD-MATES  | 6 13,202 4.2 552       | 26 14,440 558      |                   |
|  |     |                  |                        | DIFF. 1238- 6-     |                   |
| 1278637 .....                          |     |                  |                        |                    |                   |
| STATES- 23                             | 5   | NDN-AI DAUGHTERS | 8 12,653 4.0 503       |                    |                   |
|  | 5   | WITH HERD-MATES  | 8 12,653 4.0 503       | 12 12,890 481      |                   |
|  |     |                  |                        | DIFF. 237- 22      |                   |
| 1278644 SIR SEELEY ADANTHA GENE.....   |     |                  |                        |                    |                   |
| 03-27-56 846425 3304894                | 100 | AI DAUGHTERS     | 160 14,669 3.5 511     |                    |                   |
| AI STUO, 21-01 LISTED, 08-63           | 98  | WITH HERD-MATES  | 157 14,668 3.5 511     | 19 13,242 483      | 13,503 472        |
| STATES- 13,21,23                       |     |                  |                        | DIFF. 1426 28      |                   |
|  | 1   | NDN-AI DAUGHTERS | 1 12,430 3.3 412       |                    |                   |
|  | 1   | WITH HERD-MATES  | 1 12,430 3.3 412       | 7 11,144 410       |                   |
|  |     |                  |                        | DIFF. 1286 2       |                   |
| 1278689 .....                          |     |                  |                        |                    |                   |
| STATES- 41                             | 5   | NDN-AI DAUGHTERS | 7 13,681 3.6 487       |                    |                   |
|  | 5   | WITH HERD-MATES  | 7 13,681 3.6 487       | 6 13,007 481       |                   |
|  |     |                  |                        | DIFF. 674 6        |                   |
| 1278788 .....                          |     |                  |                        |                    |                   |
| STATES- 34,51                          | 6   | NON-AI DAUGHTERS | 7 13,053 3.7 486       |                    |                   |
|  | 6   | WITH HERD-MATES  | 7 13,053 3.7 486       | 25 13,334 481      |                   |
|  |     |                  |                        | DIFF. 281- 5       |                   |
| 1278986 .....                          |     |                  |                        |                    |                   |
| STATES- 21                             | 5   | NON-AI DAUGHTERS | 5 15,382 3.4 526       |                    |                   |
|  | 5   | WITH HERD-MATES  | 5 15,382 3.4 526       | 23 14,690 493      |                   |
|  |     |                  |                        | DIFF. 692 33       |                   |
| 1279051 .....                          |     |                  |                        |                    |                   |
| STATES- 35                             | 14  | NON-AI DAUGHTERS | 21 15,103 4.0 603      |                    |                   |
|  | 14  | WITH HERD-MATES  | 21 15,103 4.0 603      | 6 15,029 572       |                   |
|  |     |                  |                        | DIFF. 74 31        |                   |
| 1279157 .....                          |     |                  |                        |                    |                   |
| STATES- 35                             | 6   | NON-AI DAUGHTERS | 8 11,818 3.6 426       |                    |                   |
|  | 5   | WITH HERD-MATES  | 7 12,050 3.6 430       | 6 13,477 488       |                   |
|  |     |                  |                        | DIFF. 1427- 58-    |                   |
| 1279158 .....                          |     |                  |                        |                    |                   |
| STATES- 47                             | 14  | NON-AI DAUGHTERS | 14 15,965 3.9 623      |                    |                   |
|  | 13  | WITH HERD-MATES  | 13 16,128 3.9 630      | 6 14,484 554       |                   |
|  |     |                  |                        | DIFF. 1644 76      |                   |
| 1279178 .....                          |     |                  |                        |                    |                   |
| STATES- 35                             | 8   | NON-AI DAUGHTERS | 8 16,953 3.7 627       |                    |                   |
|  | 8   | WITH HERD-MATES  | 8 16,953 3.7 627       | 22 15,534 577      |                   |
|  |     |                  |                        | DIFF. 1419 50      |                   |
| 1279237 .....                          |     |                  |                        |                    |                   |
| STATES- 55                             | 5   | NDN-AI DAUGHTERS | 8 10,233 3.5 358       |                    |                   |
|  | 5   | WITH HERD-MATES  | 8 10,233 3.5 358       | 18 11,014 395      |                   |
|  |     |                  |                        | DIFF. 781- 37-     |                   |
| 1279258 .....                          |     |                  |                        |                    |                   |
| STATES- 32                             | 5   | NDN-AI DAUGHTERS | 5 12,152 3.8 457       |                    |                   |
|  | 5   | WITH HERD-MATES  | 5 12,152 3.8 457       | 11 13,693 496      |                   |
|  |     |                  |                        | DIFF. 1541- 39-    |                   |
| 1279408 CYCLONE OELLA LASS.....        |     |                  |                        |                    |                   |
| 05-24-54 885830 2415016                | 33  | NDN-AI DAUGHTERS | 38 14,380 3.7 526      |                    |                   |
| AI STUO, 35-02 LISTED, 08-63           | 33  | WITH HERD-MATES  | 38 14,380 3.7 526      | 25 14,627 526      |                   |
| STATES- 23,35,74,86                    |     |                  |                        | DIFF. 247- 247-    |                   |
| 1279491 .....                          |     |                  |                        |                    |                   |
| STATES- 31                             | 6   | NDN-AI DAUGHTERS | 7 7,858 4.1 322        |                    |                   |
|  | 6   | WITH HERD-MATES  | 7 7,858 4.1 322        | 8 11,107 428       |                   |
|  |     |                  |                        | DIFF. 3249- 106-   |                   |
| 1279593 .....                          |     |                  |                        |                    |                   |
| STATES- 35                             | 7   | NDN-AI DAUGHTERS | 7 13,957 3.6 506       |                    |                   |
|  | 5   | WITH HERD-MATES  | 5 13,464 3.6 478       | 6 13,510 488       |                   |
|  |     |                  |                        | DIFF. 46- 10-      |                   |
| 1279638 .....                          |     |                  |                        |                    |                   |
| STATES- 21                             | 6   | NDN-AI DAUGHTERS | 6 13,577 3.3 450       |                    |                   |
|  | 6   | WITH HERD-MATES  | 6 13,577 3.3 450       | 16 12,699 458      |                   |
|  |     |                  |                        | DIFF. 878 8-       |                   |
| 1279641 CARNATION MADCAP INTRIGER..... |     |                  |                        |                    |                   |
| 01-22-56 1152252 3700611               | 271 | AI DAUGHTERS     | 397 13,558 3.6 484     |                    |                   |
| AI STUO, 35-03 LISTED, 08-63           | 270 | WITH HERD-MATES  | 393 13,562 3.6 484     | 13 13,097 477      | 12,668 454        |
| STATES- 31,33,34,35,43,61,63,74,86,91  |     |                  |                        | DIFF. 465 7        |                   |
| 1279723 HILL TDP HAVEN SIR TY VIC..... |     |                  |                        |                    |                   |
| 02-01-56 923749 2425520                | 648 | AI DAUGHTERS     | 1001 12,652 3.9 491    |                    |                   |
| AI STUO, 23-02 LISTED, 08-63           | 644 | WITH HERD-MATES  | 992 12,660 3.9 491     | 12 13,221 487      | 11,692 452        |
| STATES- 23,52                          |     |                  |                        | DIFF. 561- 4       |                   |
|  | 1   | NON-AI DAUGHTERS | 1 10,430 3.7 384       |                    |                   |
|  | 1   | WITH HERD-MATES  | 1 10,430 3.7 384       | 5 10,517 400       |                   |
|  |     |                  |                        | DIFF. 87- 16-      |                   |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                        |                                 |     | AV. PRODUCTION OF | DAU. | ADJ. HERD-MATES | AV.   | PREDICTED | AV. |
|---------------------------------|---------------------------------|-----|-------------------|------|-----------------|-------|-----------|-----|
|                                 |                                 |     | RECDROS           | MILK | TEST            | FAT   | MILK      | FAT |
|                                 |                                 |     | NUMBER            | L8   | %               | L8    | NUMBER    | L8  |
| 1279737                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 33                      | 5 NDN-AI DAUGHTERS              | 7   | 11,264            | 3.6  | 404             |       |           |     |
|                                 | 5 WITH HERD-MATES               | 7   | 11,264            | 3.6  | 404             | 5     | 10,985    | 421 |
|                                 |                                 |     |                   |      |                 | DIFF. | 279       | 17- |
| 1279776                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 43,46                   | 5 NDN-AI DAUGHTERS              | 5   | 12,282            | 3.5  | 428             |       |           |     |
|                                 | 3 WITH HERD-MATES               | 3   | 13,483            | 3.3  | 444             | 7     | 12,941    | 468 |
|                                 |                                 |     |                   |      |                 | DIFF. | 542       | 24- |
| 1279868                         | HDWACRES HOMESTEAD BARDN.....   |     |                   |      |                 |       |           |     |
| 02-06-56 1038118 3277789        | 16 NDN-AI DAUGHTERS             | 16  | 15,249            | 3.9  | 591             |       |           |     |
| AI STUD, 72-01 LISTED, 08-63    | 16 WITH HERD-MATES              | 16  | 15,249            | 3.9  | 591             | 23    | 14,250    | 552 |
| STATES- 11,12,13,14,15          |                                 |     |                   |      |                 | DIFF. | 999       | 39  |
| 1279937                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 34                      | 7 NDN-AI DAUGHTERS              | 11  | 11,071            | 3.5  | 392             |       |           |     |
|                                 | 7 WITH HERD-MATES               | 11  | 11,071            | 3.5  | 392             | 6     | 11,389    | 386 |
|                                 |                                 |     |                   |      |                 | DIFF. | 318-      | 6   |
| 1280015                         | SKDKIE CREATION.....            |     |                   |      |                 |       |           |     |
| 10-09-55 1126982 3425213        | 22 NDN-AI DAUGHTERS             | 31  | 14,989            | 4.1  | 617             |       |           |     |
| AI STUD, 33-03 LISTED, 08-63    | 22 WITH HERD-MATES              | 30  | 14,981            | 4.1  | 617             | 10    | 14,457    | 528 |
| STATES- 41,45,46                |                                 |     |                   |      |                 | DIFF. | 524       | 89  |
| 1280018                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 35                      | 8 NDN-AI DAUGHTERS              | 8   | 16,698            | 3.4  | 574             |       |           |     |
|                                 | 8 WITH HERD-MATES               | 8   | 16,698            | 3.4  | 574             | 10    | 13,705    | 505 |
|                                 |                                 |     |                   |      |                 | DIFF. | 2993      | 69  |
| 1280190                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 15                      | 5 NDN-AI DAUGHTERS              | 7   | 11,141            | 3.8  | 427             |       |           |     |
|                                 | 5 WITH HERD-MATES               | 7   | 11,141            | 3.8  | 427             | 91    | 10,879    | 424 |
|                                 |                                 |     |                   |      |                 | DIFF. | 262       | 3   |
| 1280198                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 23                      | 17 NDN-AI DAUGHTERS             | 18  | 12,802            | 4.1  | 529             |       |           |     |
|                                 | 16 WITH HERD-MATES              | 17  | 12,868            | 4.1  | 527             | 18    | 13,453    | 529 |
|                                 |                                 |     |                   |      |                 | DIFF. | 585-      | 2-  |
| 1280218                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 84                      | 7 NDN-AI DAUGHTERS              | 8   | 11,736            | 3.6  | 424             |       |           |     |
|                                 | 7 WITH HERD-MATES               | 7   | 11,677            | 3.6  | 420             | 20    | 12,463    | 447 |
|                                 |                                 |     |                   |      |                 | DIFF. | 786-      | 27- |
| 1280299                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 23                      | 5 NDN-AI DAUGHTERS              | 5   | 11,420            | 3.7  | 424             |       |           |     |
|                                 | 5 WITH HERD-MATES               | 5   | 11,420            | 3.7  | 424             | 5     | 11,434    | 424 |
|                                 |                                 |     |                   |      |                 | DIFF. | 14-       |     |
| 1280335                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 41                      | 6 NDN-AI DAUGHTERS              | 6   | 10,162            | 3.9  | 396             |       |           |     |
|                                 | 6 WITH HERD-MATES               | 6   | 10,162            | 3.9  | 396             | 7     | 11,968    | 427 |
|                                 |                                 |     |                   |      |                 | DIFF. | 1806-     | 31- |
| 1280428                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 51                      | 5 NDN-AI DAUGHTERS              | 5   | 12,898            | 3.6  | 470             |       |           |     |
|                                 | 5 WITH HERD-MATES               | 5   | 12,898            | 3.6  | 470             | 10    | 12,341    | 446 |
|                                 |                                 |     |                   |      |                 | DIFF. | 557       | 24  |
| 1280457                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 13                      | 5 NDN-AI DAUGHTERS              | 5   | 14,130            | 3.4  | 480             |       |           |     |
|                                 | 5 WITH HERD-MATES               | 5   | 14,130            | 3.4  | 480             | 23    | 11,279    | 412 |
|                                 |                                 |     |                   |      |                 | DIFF. | 2851      | 68  |
| 1280588                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 47                      | 6 NDN-AI DAUGHTERS              | 7   | 14,283            | 3.7  | 523             |       |           |     |
|                                 | 6 WITH HERD-MATES               | 7   | 14,283            | 3.7  | 523             | 18    | 13,982    | 517 |
|                                 |                                 |     |                   |      |                 | DIFF. | 301       | 6   |
| 1280615                         | DSBORNDALD DLAN FDBES.....      |     |                   |      |                 |       |           |     |
| 07-06-55 934577 2750411         | 441 AI DAUGHTERS                | 704 | 13,579            | 3.8  | 522             |       |           |     |
| AI STUD, 16-04 LISTED, 08-63    | 413 WITH HERD-MATES             | 671 | 13,531            | 3.9  | 521             | 24    | 13,215    | 497 |
| STATES- 12,13,14,15,16,21,51    |                                 |     |                   |      |                 | DIFF. | 316       | 24  |
|                                 | 1 NDN-AI DAUGHTERS              | 1   | 14,590            | 3.6  | 518             |       |           |     |
|                                 | 1 WITH HERD-MATES               | 1   | 14,590            | 3.6  | 518             | 12    | 12,981    | 501 |
|                                 |                                 |     |                   |      |                 | DIFF. | 1609      | 17  |
| 1280776                         | PA8ST LEAOSMAN.....             |     |                   |      |                 |       |           |     |
| 02-27-56 915940 2479482         | 229 AI DAUGHTERS                | 340 | 11,752            | 3.9  | 455             |       |           |     |
| AI STUD, 23-05 LISTED, 08-63    | 225 WITH HERD-MATES             | 335 | 11,752            | 3.9  | 455             | 13    | 12,877    | 483 |
| STATES- 23,31,54                |                                 |     |                   |      |                 | DIFF. | 1125-     | 28- |
|                                 | 3 NDN-AI DAUGHTERS              | 5   | 10,553            | 3.9  | 415             |       |           |     |
|                                 | 3 WITH HERD-MATES               | 5   | 10,553            | 3.9  | 415             | 6     | 12,899    | 495 |
|                                 |                                 |     |                   |      |                 | DIFF. | 2346-     | 80- |
| 1281050                         | AL-LCU-JAN FOOTPRINT IDEAL..... |     |                   |      |                 |       |           |     |
| 11-21-55 1013415 3532822        | 273 AI DAUGHTERS                | 311 | 13,468            | 3.7  | 502             |       |           |     |
| AI STUD, 16-04 LISTED, 08-63    | 258 WITH HERD-MATES             | 295 | 13,543            | 3.7  | 504             | 23    | 13,009    | 489 |
| STATES- 12,13,14,15,16,21,31,34 |                                 |     |                   |      |                 | DIFF. | 534       | 15  |
|                                 | 4 NDN-AI DAUGHTERS              | 7   | 13,775            | 3.5  | 488             |       |           |     |
|                                 | 4 WITH HERD-MATES               | 7   | 13,775            | 3.5  | 488             | 31    | 12,541    | 471 |
|                                 |                                 |     |                   |      |                 | DIFF. | 1234      | 17  |
| 1281273                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 47                      | 5 NDN-AI DAUGHTERS              | 8   | 14,392            | 3.4  | 494             |       |           |     |
|                                 | 5 WITH HERD-MATES               | 8   | 14,392            | 3.4  | 494             | 25    | 13,897    | 487 |
|                                 |                                 |     |                   |      |                 | DIFF. | 495       | 7   |
| 1281281                         | .....                           |     |                   |      |                 |       |           |     |
| STATES- 52                      | 5 NDN-AI DAUGHTERS              | 5   | 11,356            | 3.6  | 413             |       |           |     |
|                                 | 5 WITH HERD-MATES               | 5   | 11,356            | 3.6  | 413             | 15    | 11,298    | 401 |
|                                 |                                 |     |                   |      |                 | DIFF. | 58        | 12  |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN                     |                                   |                     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. |              | PREDICTED AV. |
|------------------------------|-----------------------------------|---------------------|------------------------|---------------------|--------------|---------------|
|                              |                                   |                     | RECORDS MILK TEST FAT  | AV. MILK FAT        |              | MILK FAT      |
|                              |                                   |                     | NUMBER LB % LB         | NUMBER LB LB        |              | LB LB         |
| 1281282                      | .....                             |                     |                        |                     |              |               |
| STATES- 21                   |                                   | 10 NON-AI DAUGHTERS | 10 13,881 3.6 495      |                     |              |               |
|                              |                                   | 10 WITH HERD-MATES  | 10 13,881 3.6 495      | 15 DIFF.            | 14,680 799-  | 519 24-       |
| 1281300                      | B O I PA8EMPGDV ALGY.....         |                     |                        |                     |              |               |
| 01-30-56                     | 975138 3507143                    | 8 AI DAUGHTERS      | 12 12,950 3.3 426      |                     |              |               |
| AI STUD, 72-01 LISTED, 08-63 |                                   | 8 WITH HERD-MATES   | 12 12,950 3.3 426      | 25 DIFF.            | 12,270 680   | 437 11-       |
| STATES- 51,72                |                                   |                     |                        |                     |              |               |
|                              |                                   | 1 NON-AI DAUGHTERS  | 2 16,075 4.2 675       |                     |              |               |
|                              |                                   | 1 WITH HERD-MATES   | 2 16,075 4.2 675       | 38 DIFF.            | 14,013 2062  | 526 149       |
| 1281378                      | .....                             |                     |                        |                     |              |               |
| STATES- 34                   |                                   | 5 NON-AI DAUGHTERS  | 6 12,335 3.8 465       |                     |              |               |
|                              |                                   | 5 WITH HERD-MATES   | 6 12,335 3.8 465       | 24 DIFF.            | 12,404 69-   | 461 4         |
| 1281475                      | .....                             |                     |                        |                     |              |               |
| STATES- 55                   |                                   | 5 NON-AI DAUGHTERS  | 5 12,172 3.5 422       |                     |              |               |
|                              |                                   | 5 WITH HERD-MATES   | 5 12,172 3.5 422       | 48 DIFF.            | 14,086 1914- | 519 97-       |
| 1281479                      | D. I. LUSDVAUTGO LAD.....         |                     |                        |                     |              |               |
| 02-18-56                     | 769170 3865935                    | 74 AI DAUGHTERS     | 97 13,292 4.0 537      |                     |              |               |
| AI STUD, 12-03 LISTED, 08-63 |                                   | 73 WITH HERD-MATES  | 96 13,315 4.0 538      | 15 DIFF.            | 12,888 427   | 491 47        |
| STATES- 11,12,13,14          |                                   |                     |                        |                     |              |               |
| 1281508                      | .....                             |                     |                        |                     |              |               |
| STATES- 21                   |                                   | 6 NON-AI DAUGHTERS  | 6 11,573 4.0 467       |                     |              |               |
|                              |                                   | 6 WITH HERD-MATES   | 6 11,573 4.0 467       | 10 DIFF.            | 12,319 746-  | 487 20-       |
| 1281583                      | .....                             |                     |                        |                     |              |               |
| STATES- 21                   |                                   | 5 NON-AI DAUGHTERS  | 7 12,539 4.0 506       |                     |              |               |
|                              |                                   | 5 WITH HERD-MATES   | 7 12,539 4.0 506       | 4 DIFF.             | 11,583 956   | 423 83        |
| 1281696                      | .....                             |                     |                        |                     |              |               |
| STATES- 23                   |                                   | 5 NON-AI DAUGHTERS  | 7 12,927 3.6 465       |                     |              |               |
|                              |                                   | 5 WITH HERD-MATES   | 7 12,927 3.6 465       | 22 DIFF.            | 13,495 568-  | 495 30-       |
| 1281707                      | .....                             |                     |                        |                     |              |               |
| STATES- 32,41                |                                   | 6 NON-AI DAUGHTERS  | 8 12,138 4.0 491       |                     |              |               |
|                              |                                   | 6 WITH HERD-MATES   | 8 12,138 4.0 491       | 12 DIFF.            | 13,327 1189- | 478 13        |
| 1281759                      | .....                             |                     |                        |                     |              |               |
| STATES- 32                   |                                   | 5 NON-AI DAUGHTERS  | 5 14,392 3.8 554       |                     |              |               |
|                              |                                   | 5 WITH HERD-MATES   | 5 14,392 3.8 554       | 8 DIFF.             | 13,322 1070  | 508 46        |
| 1281871                      | .....                             |                     |                        |                     |              |               |
| STATES- 71                   |                                   | 7 NON-AI DAUGHTERS  | 10 11,950 3.5 420      |                     |              |               |
|                              |                                   | 6 WITH HERD-MATES   | 9 12,226 3.5 431       | 16 DIFF.            | 11,346 880   | 398 33        |
| 1281874                      | BRADY BURKE DRMS8Y.....           |                     |                        |                     |              |               |
| 03-09-56                     | 1013415 3704891                   | 42 AI DAUGHTERS     | 76 11,987 3.5 425      |                     |              |               |
| AI STUD, 48-01 LISTED, 08-63 |                                   | 42 WITH HERD-MATES  | 76 11,987 3.5 425      | 8 DIFF.             | 11,878 109   | 419 6         |
| STATES- 43,71                |                                   |                     |                        |                     |              |               |
|                              |                                   | 1 NON-AI DAUGHTERS  | 3 17,440 3.2 555       |                     |              |               |
|                              |                                   | 1 WITH HERD-MATES   | 3 17,440 3.2 555       | 9 DIFF.             | 14,596 2844  | 509 46        |
| 1282047                      | .....                             |                     |                        |                     |              |               |
| STATES- 35                   |                                   | 7 NON-AI DAUGHTERS  | 9 12,683 3.8 485       |                     |              |               |
|                              |                                   | 7 WITH HERD-MATES   | 8 12,663 3.8 483       | 13 DIFF.            | 12,058 605   | 443 40        |
| 1282058                      | .....                             |                     |                        |                     |              |               |
| STATES- 51                   |                                   | 10 NON-AI DAUGHTERS | 12 12,986 3.7 483      |                     |              |               |
|                              |                                   | 10 WITH HERD-MATES  | 12 12,986 3.7 483      | 27 DIFF.            | 11,839 1147  | 455 28        |
| 1282127                      | ARWYN STRATHMORE GEORGE.....      |                     |                        |                     |              |               |
| 03-01-56                     | 1116198 3530933                   | 13 NON-AI DAUGHTERS | 17 15,278 3.6 554      |                     |              |               |
| AI STUD, 35-04 LISTED, 08-63 |                                   | 13 WITH HERD-MATES  | 17 15,278 3.6 554      | 20 DIFF.            | 14,719 559   | 541 13        |
| STATES- 35                   |                                   |                     |                        |                     |              |               |
| 1282132                      | .....                             |                     |                        |                     |              |               |
| STATES- 21                   |                                   | 6 NON-AI DAUGHTERS  | 6 12,148 3.7 453       |                     |              |               |
|                              |                                   | 5 WITH HERD-MATES   | 5 11,772 3.8 442       | 2 DIFF.             | 10,306 1466  | 395 47        |
| 1282185                      | SKDKIE GLAMDUR 80Y.....           |                     |                        |                     |              |               |
| 11-02-55                     | 1038509 3809891                   | 13 AI DAUGHTERS     | 13 13,528 3.7 503      |                     |              |               |
| AI STUD, 33-01 LISTED, 08-63 |                                   | 11 WITH HERD-MATES  | 11 13,447 3.8 505      | 13 DIFF.            | 12,917 530   | 493 12        |
| STATES- 21,33,34,35,42       |                                   |                     |                        |                     |              |               |
|                              |                                   | 5 NON-AI DAUGHTERS  | 7 13,161 3.7 492       |                     |              |               |
|                              |                                   | 5 WITH HERD-MATES   | 7 13,161 3.7 492       | 22 DIFF.            | 11,996 1165  | 433 59        |
| 1282210                      | .....                             |                     |                        |                     |              |               |
| STATES- 48,74                |                                   | 8 NON-AI DAUGHTERS  | 10 14,302 3.6 514      |                     |              |               |
|                              |                                   | 8 WITH HERD-MATES   | 10 14,302 3.6 514      | 20 DIFF.            | 14,481 179-  | 532 18-       |
| 1282262                      | ELL8ANK ADMIRAL DRMS8Y PRIDE..... |                     |                        |                     |              |               |
| 03-06-55                     | 1189195 3611573                   | 20 NON-AI DAUGHTERS | 30 13,932 3.8 531      |                     |              |               |
| AI STUD, 21-01 LISTED, 08-63 |                                   | 20 WITH HERD-MATES  | 30 13,932 3.8 531      | 8 DIFF.             | 13,402 530   | 502 29        |
| STATES- 13,21,23             |                                   |                     |                        |                     |              |               |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  | AV. RECDROS<br>NUMBER | PRODUCTION<br>MILK LB | OF TEST<br>% | EAU.<br>FAT LB | AOJ.<br>AV. NUMBER | HERD-MATES<br>MILK LB | AV.<br>FAT LB | PREDICTED<br>MILK LB | AV.<br>FAT LB |
|---|-----------------------|-----------------------|--------------|----------------|--------------------|-----------------------|---------------|----------------------|---------------|
| 1282596 LIME TOP ADA PEB.....                     |                       |                       |              |                |                    |                       |               |                      |               |
| 07-16-56 846425 3637553 113 AI DAUGHTERS          | 160                   | 13,800                | 3.6          | 496            |                    |                       |               |                      |               |
| AI STUD, 21-01 LISTED, 08-63 111 WITH HERD-MATES  | 158                   | 13,802                | 3.6          | 497            | 19                 | 13,278                | 480           | 12,709               | 463           |
| STATES- 13,21                                     |                       |                       |              |                | DIFF.              | 524                   | 17            |                      |               |
| 1282691 RICH-HERO MADCAP PRDSPECTDR.....          |                       |                       |              |                |                    |                       |               |                      |               |
| 10-18-55 1068877 3456096 15 AI DAUGHTERS          | 22                    | 14,506                | 3.8          | 558            |                    |                       |               |                      |               |
| AI STUD, 93-03 LISTED, 08-63 15 WITH HERD-MATES   | 22                    | 14,506                | 3.8          | 558            | 151                | 15,371                | 562           | 11,837               | 448           |
| STATES- 93  |                       |                       |              |                | DIFF.              | 865-                  | 4-            |                      |               |
| 1282698 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 23,51                                     | 10                    | 11,967                | 3.5          | 418            | 8                  | 12,554                | 446           |                      |               |
|   | 10                    | 11,967                | 3.5          | 418            | DIFF.              | 587-                  | 28-           |                      |               |
| 1282720 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 48  | 6                     | 11,978                | 3.7          | 440            | 16                 | 13,499                | 478           |                      |               |
|   | 6                     | 11,978                | 3.7          | 440            | DIFF.              | 1521-                 | 38-           |                      |               |
| 1282845 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 93  | 6                     | 15,400                | 3.8          | 592            | 70                 | 16,903                | 611           |                      |               |
|   | 6                     | 15,400                | 3.8          | 592            | DIFF.              | 1503-                 | 19-           |                      |               |
| 1283024 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 33  | 6                     | 12,638                | 3.6          | 456            | 10                 | 12,217                | 432           |                      |               |
|   | 6                     | 12,638                | 3.6          | 456            | DIFF.              | 421                   | 24            |                      |               |
| 1283079 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 31  | 8                     | 12,025                | 3.3          | 393            | 31                 | 10,949                | 371           |                      |               |
|   | 8                     | 12,025                | 3.3          | 393            | DIFF.              | 1076                  | 22            |                      |               |
| 1283111 DRMSBY ANTHONY MARK.....                  |                       |                       |              |                |                    |                       |               |                      |               |
| 12-21-55 1122159 2380514 41 AI DAUGHTERS          | 66                    | 13,190                | 3.6          | 478            |                    |                       |               |                      |               |
| AI STUD, 33-01 LISTED, 08-63 41 WITH HERD-MATES   | 66                    | 13,190                | 3.6          | 478            | 13                 | 12,539                | 475           | 12,667               | 449           |
| STATES- 33  |                       |                       |              |                | DIFF.              | 651                   | 3             |                      |               |
| 1283112 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 52  | 5                     | 12,634                | 3.8          | 477            | 11                 | 12,745                | 476           |                      |               |
|   | 5                     | 12,634                | 3.8          | 477            | DIFF.              | 111-                  | 1             |                      |               |
| 1283256 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 32  | 5                     | 11,092                | 3.9          | 432            | 16                 | 11,777                | 445           |                      |               |
|   | 5                     | 11,092                | 3.9          | 432            | DIFF.              | 685-                  | 13-           |                      |               |
| 1283309 NOCKDAIR LEADER PHOEBE.....               |                       |                       |              |                |                    |                       |               |                      |               |
| 09-27-53 951058 2990278 13 NDN-AI DAUGHTERS       | 18                    | 15,206                | 4.0          | 615            |                    |                       |               |                      |               |
| AI STUD, 91-01 LISTED, 08-63 13 WITH HERD-MATES   | 18                    | 15,206                | 4.0          | 615            | 7                  | 13,670                | 525           |                      |               |
| STATES- 91  |                       |                       |              |                | DIFF.              | 1536                  | 90            |                      |               |
| 1283313 RIVER VALLEY WALLIE RDMED.....            |                       |                       |              |                |                    |                       |               |                      |               |
| 10-29-55 1190632 3089912 113 AI DAUGHTERS         | 113                   | 11,944                | 3.6          | 428            |                    |                       |               |                      |               |
| AI STUD, 33-03 LISTED, 08-63 106 WITH HERD-MATES  | 106                   | 12,030                | 3.6          | 431            | 15                 | 13,370                | 494           | 11,052               | 392           |
| STATES- 11,12,13,14,16,21,22, 73 NDN-AI DAUGHTERS | 95                    | 12,826                | 3.6          | 457            | DIFF.              | 1340-                 | 63-           |                      |               |
| 23,31,32,33,34,35,41,42,47,50, 73 WITH HERD-MATES | 94                    | 12,822                | 3.6          | 457            | 11                 | 13,683                | 501           |                      |               |
| 51,52,87,91                                       |                       |                       |              |                | DIFF.              | 861-                  | 44-           |                      |               |
| 1283332 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 32,34                                     | 6                     | 10,674                | 3.8          | 401            | 20                 | 13,150                | 485           |                      |               |
|   | 6                     | 10,674                | 3.8          | 401            | DIFF.              | 2476-                 | 84-           |                      |               |
| 1283333 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 31  | 5                     | 15,455                | 3.4          | 533            | 9                  | 14,637                | 523           |                      |               |
|   | 5                     | 15,455                | 3.4          | 533            | DIFF.              | 818                   | 10            |                      |               |
| 1283348 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 33  | 8                     | 10,916                | 3.8          | 417            | 16                 | 11,866                | 439           |                      |               |
|   | 8                     | 10,916                | 3.8          | 417            | DIFF.              | 950-                  | 22-           |                      |               |
| 1283452 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 21  | 9                     | 16,339                | 3.3          | 537            | 44                 | 14,704                | 502           |                      |               |
|   | 9                     | 16,339                | 3.3          | 537            | DIFF.              | 1635                  | 35            |                      |               |
| 1283469 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 34  | 5                     | 9,453                 | 3.3          | 314            | 18                 | 9,789                 | 333           |                      |               |
|   | 5                     | 9,453                 | 3.3          | 314            | DIFF.              | 336-                  | 19-           |                      |               |
| 1283472 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 23  | 8                     | 11,239                | 3.5          | 393            | 16                 | 12,620                | 463           |                      |               |
|   | 8                     | 11,239                | 3.5          | 393            | DIFF.              | 1381-                 | 70-           |                      |               |
| 1283487 .....                                     |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 51  | 7                     | 9,579                 | 3.8          | 366            | 18                 | 11,179                | 434           |                      |               |
|   | 7                     | 9,579                 | 3.8          | 366            | DIFF.              | 1600-                 | 68-           |                      |               |
| 1283536 WIS MEMDRY.....                           |                       |                       |              |                |                    |                       |               |                      |               |
| 07-14-56 1189593 2683296 6 NDN-AI DAUGHTERS       | 11                    | 15,091                | 3.5          | 533            |                    |                       |               |                      |               |
| AI STUD, 33-03 LISTED, 08-63 5 WITH HERD-MATES    | 10                    | 15,280                | 3.6          | 546            | 31                 | 14,126                | 516           |                      |               |
| STATES- 35,74                                     |                       |                       |              |                | DIFF.              | 1154                  | 30            |                      |               |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |                     |                       | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV.             | AV. PREDICTED AV. |
|---|---------------------|-----------------------|------------------------|---------------------------------|-------------------|
|   |                     | RECORDS MILK TEST FAT | NUMBER L8 % L8         | NUMBER MILK FAT                 | MILK FAT          |
| 1283681 GRAY VIEW CRITERION SKYCHIEF.....       |                     |                       |                        |                                 |                   |
| 07-16-56 1244844 2981945 7 NDN-AI DAUGHTERS     |                     | 9 10,507 3.6 378      |                        |                                 |                   |
| AI STUD, 35-04 LISTED, 08-63 7 WITH HERD-MATES  |                     | 9 10,507 3.6 378      |                        |                                 |                   |
| STATES- 35                                      |                     |                       |                        | 18 DIFF. 12,109 461 83-         |                   |
| 1283783 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 22                                      | 8 NDN-AI DAUGHTERS  | 10 12,958 4.2 539     |                        | 18 DIFF. 14,697 548 9-          |                   |
|   | 8 WITH HERD-MATES   | 10 12,958 4.2 539     |                        |                                 |                   |
| 1283858 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 32,34,56,71                             | 10 NDN-AI DAUGHTERS | 11 11,441 3.4 391     |                        | 25 DIFF. 10,986 397 6-          |                   |
|   | 10 WITH HERD-MATES  | 11 11,441 3.4 391     |                        |                                 |                   |
| 1283898 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 21                                      | 8 NDN-AI DAUGHTERS  | 9 16,160 3.5 566      |                        | 10 DIFF. 13,802 494 72          |                   |
|   | 8 WITH HERD-MATES   | 9 16,160 3.5 566      |                        |                                 |                   |
| 1283918 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 83,87                                   | 7 NDN-AI DAUGHTERS  | 7 13,264 4.0 528      |                        | 19 DIFF. 14,093 532 4-          |                   |
|   | 7 WITH HERD-MATES   | 7 13,264 4.0 528      |                        |                                 |                   |
| 1283932 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 52,55                                   | 12 NDN-AI DAUGHTERS | 14 13,344 3.8 501     |                        | 16 DIFF. 13,749 496 5           |                   |
|   | 12 WITH HERD-MATES  | 14 13,344 3.8 501     |                        |                                 |                   |
| 1283933 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 52                                      | 12 NDN-AI DAUGHTERS | 14 12,428 4.0 502     |                        | 6 DIFF. 11,610 451 51           |                   |
|   | 12 WITH HERD-MATES  | 14 12,428 4.0 502     |                        |                                 |                   |
| 1284046 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 23                                      | 5 NDN-AI DAUGHTERS  | 6 12,642 3.6 457      |                        | 14 DIFF. 12,281 465 8-          |                   |
|   | 5 WITH HERD-MATES   | 6 12,642 3.6 457      |                        |                                 |                   |
| 1284063 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 31                                      | 6 NDN-AI DAUGHTERS  | 8 10,793 3.6 386      |                        | 7 DIFF. 11,893 416 30-          |                   |
|   | 6 WITH HERD-MATES   | 8 10,793 3.6 386      |                        |                                 |                   |
| 1284223 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 21                                      | 6 NDN-AI DAUGHTERS  | 6 16,248 3.7 609      |                        | 11 DIFF. 15,591 599 10          |                   |
|   | 6 WITH HERD-MATES   | 6 16,248 3.7 609      |                        |                                 |                   |
| 1284252 EXRANCO IDEAL SENATOR.....              |                     |                       |                        |                                 |                   |
| 07-01-56 1098656 2818048 11 AI DAUGHTERS        |                     | 19 15,286 3.5 542     |                        | 144 DIFF. 15,137 552 12,346 444 |                   |
| AI STUD, 93-03 LISTED, 08-63 11 WITH HERD-MATES |                     | 19 15,286 3.5 542     |                        |                                 |                   |
| STATES- 93                                      |                     |                       |                        |                                 |                   |
| 1284298 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 52                                      | 11 NDN-AI DAUGHTERS | 11 14,389 3.9 561     |                        | 20 DIFF. 15,084 575 14-         |                   |
|   | 11 WITH HERD-MATES  | 11 14,389 3.9 561     |                        |                                 |                   |
| 1284311 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 34                                      | 6 NDN-AI DAUGHTERS  | 6 12,167 3.5 420      |                        | 8 DIFF. 12,087 453 33-          |                   |
|   | 6 WITH HERD-MATES   | 6 12,167 3.5 420      |                        |                                 |                   |
| 1284364 LANGE RE-CHARITY DEAN WALKER.....       |                     |                       |                        |                                 |                   |
| 08-23-55 1190953 3587268 23 NDN-AI DAUGHTERS    |                     | 43 14,563 3.7 535     |                        | 13 DIFF. 13,190 486 50          |                   |
| AI STUD, 35-02 LISTED, 08-63 23 WITH HERD-MATES |                     | 42 14,613 3.7 536     |                        |                                 |                   |
| STATES- 35                                      |                     |                       |                        |                                 |                   |
| 1284418 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 54                                      | 9 NDN-AI DAUGHTERS  | 10 10,696 3.9 415     |                        | 14 DIFF. 10,847 396 19          |                   |
|   | 9 WITH HERD-MATES   | 10 10,696 3.9 415     |                        |                                 |                   |
| 1284558 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 33                                      | 6 NDN-AI DAUGHTERS  | 6 15,930 3.6 577      |                        | 9 DIFF. 13,921 523 54           |                   |
|   | 6 WITH HERD-MATES   | 6 15,930 3.6 577      |                        |                                 |                   |
| 1284580 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 21                                      | 6 NDN-AI DAUGHTERS  | 7 10,719 3.5 379      |                        | 11 DIFF. 11,231 409 30-         |                   |
|   | 6 WITH HERD-MATES   | 7 10,719 3.5 379      |                        |                                 |                   |
| 1284626 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 55                                      | 5 NDN-AI DAUGHTERS  | 7 10,038 3.8 383      |                        | 12 DIFF. 11,869 440 57-         |                   |
|   | 5 WITH HERD-MATES   | 7 10,038 3.8 383      |                        |                                 |                   |
| 1284676 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 23,50,51,61                             | 8 NDN-AI DAUGHTERS  | 11 13,224 3.8 502     |                        | 14 DIFF. 12,494 467 35          |                   |
|   | 8 WITH HERD-MATES   | 11 13,224 3.8 502     |                        |                                 |                   |
| 1284716 .....                                   |                     |                       |                        |                                 |                   |
| AI STUD, 31-02                                  | 14 NDN-AI DAUGHTERS | 15 16,504 3.6 589     |                        | 69 DIFF. 15,392 586 3           |                   |
| STATES- 93                                      | 14 WITH HERD-MATES  | 15 16,504 3.6 589     |                        |                                 |                   |
| 1284726 .....                                   |                     |                       |                        |                                 |                   |
| STATES- 31,34,64                                | 8 NDN-AI DAUGHTERS  | 8 9,734 3.4 335       |                        | 13 DIFF. 10,553 379 44-         |                   |
|   | 8 WITH HERD-MATES   | 8 9,734 3.4 335       |                        |                                 |                   |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                | AV. PRODUCTION OF |                  |           |        | DAU.<br>FAT<br>LB | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |            |
|---|-------------------|------------------|-----------|--------|-------------------|---------------------|------------|-----------|---------------|------------|
|   | RECORDS<br>NUMBER | MILK<br>LB       | TEST<br>% |        |                   | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB  |
| 1284728 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 13,21                           | 5                 | NON-AI DAUGHTERS | 7         | 11,320 | 3.8               | 431                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 7         | 11,320 | 3.8               | 431                 | 13         | 13,445    | 472           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 2125-     | 41-           |            |
| 1284923 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 21                              | 5                 | NON-AI DAUGHTERS | 17        | 14,496 | 3.5               | 502                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 16        | 14,557 | 3.5               | 503                 | 12         | 13,668    | 506           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 889       | 3-            |            |
| 1284936 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 13                              | 6                 | NON-AI DAUGHTERS | 6         | 11,972 | 3.4               | 406                 |            |           |               |            |
|   | 6                 | WITH HERD-MATES  | 6         | 11,972 | 3.4               | 406                 | 6          | 11,480    | 426           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 492       | 20-           |            |
| 1284978 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 41                              | 10                | NON-AI DAUGHTERS | 10        | 14,249 | 3.6               | 511                 |            |           |               |            |
|   | 10                | WITH HERD-MATES  | 10        | 14,249 | 3.6               | 511                 | 13         | 13,507    | 504           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 742       | 7             |            |
| 1285175 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 41                              | 5                 | NON-AI DAUGHTERS | 5         | 9,694  | 3.5               | 338                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 5         | 9,694  | 3.5               | 338                 | 2          | 10,250    | 367           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 556-      | 29-           |            |
| 1285306 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 23                              | 5                 | NON-AI DAUGHTERS | 5         | 12,910 | 4.0               | 512                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 5         | 12,910 | 4.0               | 512                 | 4          | 14,557    | 542           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 1647-     | 30-           |            |
| 1285312 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 85                              | 5                 | NON-AI DAUGHTERS | 11        | 11,397 | 3.7               | 427                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 11        | 11,397 | 3.7               | 427                 | 25         | 12,747    | 468           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 1350-     | 41-           |            |
| 1285434 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 52                              | 5                 | NON-AI DAUGHTERS | 5         | 9,258  | 3.6               | 329                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 5         | 9,258  | 3.6               | 329                 | 25         | 9,285     | 334           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 27-       | 5-            |            |
| 1285440 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 35                              | 10                | NON-AI DAUGHTERS | 13        | 13,537 | 3.6               | 487                 |            |           |               |            |
|   | 6                 | WITH HERD-MATES  | 6         | 12,885 | 3.5               | 453                 | 13         | 13,003    | 449           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 118-      | 4             |            |
| 1285501 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 23                              | 5                 | NON-AI DAUGHTERS | 7         | 13,668 | 3.9               | 533                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 7         | 13,668 | 3.9               | 533                 | 12         | 13,853    | 526           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 185-      | 7             |            |
| 1285659 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 33                              | 10                | NON-AI DAUGHTERS | 10        | 11,280 | 4.0               | 449                 |            |           |               |            |
|   | 10                | WITH HERD-MATES  | 10        | 11,280 | 4.0               | 449                 | 20         | 13,840    | 494           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 2560-     | 45-           |            |
| 1285695 ROSNI SHAW DAUNTLESS DIONE..... |                   |                  |           |        |                   |                     |            |           |               |            |
| 09-08-56 1048678 3632389                | 24                | NON-AI DAUGHTERS | 28        | 14,327 | 3.7               | 525                 |            |           |               |            |
| AI STUD, 52-01 LISTED, 08-63            | 24                | WITH HERD-MATES  | 28        | 14,327 | 3.7               | 525                 | 43         | 14,172    | 512           |            |
| STATES- 52,55                           |                   |                  |           |        |                   |                     | DIFF.      | 155       | 13            |            |
| 1285709 SPRUCE LAWN HIDEO.....          |                   |                  |           |        |                   |                     |            |           |               |            |
| 09-02-56 929962 2778214                 | 102               | AI DAUGHTERS     | 139       | 14,079 | 3.6               | 505                 |            |           |               |            |
| AI STUD, 21-01 LISTED, 08-63            | 101               | WITH HERD-MATES  | 135       | 14,136 | 3.6               | 507                 | 25         | 13,468    | 486           | 12,848 466 |
| STATES- 13,21,23,51                     |                   |                  |           |        |                   |                     | DIFF.      | 668       | 21            |            |
| 1285808 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 21                              | 6                 | NON-AI DAUGHTERS | 6         | 12,882 | 3.4               | 436                 |            |           |               |            |
|   | 6                 | WITH HERD-MATES  | 6         | 12,882 | 3.4               | 436                 | 13         | 13,339    | 473           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 457-      | 37-           |            |
| 1285816 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 22,23                           | 10                | NON-AI DAUGHTERS | 12        | 15,247 | 3.6               | 548                 |            |           |               |            |
|   | 10                | WITH HERD-MATES  | 12        | 15,247 | 3.6               | 548                 | 13         | 15,314    | 573           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 67-       | 25-           |            |
| 1285951 SHAW CRETE DUNLOGGIN FAYNE..... |                   |                  |           |        |                   |                     |            |           |               |            |
| 05-14-56 972500 3264850                 | 20                | NON-AI DAUGHTERS | 36        | 15,170 | 3.8               | 582                 |            |           |               |            |
| AI STUD, 35-75 LISTED, 08-63            | 20                | WITH HERD-MATES  | 36        | 15,170 | 3.8               | 582                 | 19         | 14,166    | 516           |            |
| STATES- 55                              |                   |                  |           |        |                   |                     | DIFF.      | 1004      | 66            |            |
| 1286036 HARDEN FARMS WIREMASTER.....    |                   |                  |           |        |                   |                     |            |           |               |            |
| 07-07-56 1112211 2580430                | 35                | NON-AI DAUGHTERS | 50        | 15,805 | 3.7               | 578                 |            |           |               |            |
| AI STUD, 34-01 LISTED, 08-63            | 34                | WITH HERD-MATES  | 49        | 15,763 | 3.7               | 580                 | 13         | 14,494    | 562           |            |
| STATES- 21,23,50                        |                   |                  |           |        |                   |                     | DIFF.      | 1269      | 18            |            |
| 1286105 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 23                              | 5                 | NON-AI DAUGHTERS | 7         | 11,721 | 3.9               | 457                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 7         | 11,721 | 3.9               | 457                 | 10         | 12,526    | 459           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 805-      | 2-            |            |
| 1286123 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 21                              | 5                 | NON-AI DAUGHTERS | 5         | 12,916 | 3.7               | 476                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 5         | 12,916 | 3.7               | 476                 | 20         | 13,210    | 487           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 294-      | 11-           |            |
| 1286215 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 21                              | 6                 | NON-AI DAUGHTERS | 8         | 13,558 | 3.6               | 491                 |            |           |               |            |
|   | 6                 | WITH HERD-MATES  | 8         | 13,558 | 3.6               | 491                 | 11         | 13,289    | 451           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 269       | 40            |            |
| 1286258 .....                           |                   |                  |           |        |                   |                     |            |           |               |            |
| STATES- 14,21                           | 5                 | NON-AI DAUGHTERS | 5         | 10,252 | 3.7               | 375                 |            |           |               |            |
|   | 5                 | WITH HERD-MATES  | 5         | 10,252 | 3.7               | 375                 | 18         | 12,691    | 452           |            |
|   |                   |                  |           |        |                   |                     | DIFF.      | 2439-     | 77-           |            |



## SIRE OF DHIA DAUGHTERS

| HDLSTEIN   |    |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--|----|------------------|------------------------|---------------------|-------------------|
|  |    |                  | RECORDS MILK TEST FAT  | NUMBER MILK FAT     | MILK FAT          |
|  |    |                  | NUMBER LB % LB         | NUMBER LB LB        | L8 L8             |
| 1286274 .....                                    |    |                  |                        |                     |                   |
| STATES- 21,22                                    | 5  | NON-AI DAUGHTERS | 5 14,078 3.8 537       |                     |                   |
|  | 5  | WITH HERD-MATES  | 5 14,078 3.8 537       | 18 14,076 507       |                   |
|  |    |                  |                        | DIFF. 2 30          |                   |
| 1286418 .....                                    |    |                  |                        |                     |                   |
| STATES- 51                                       | 7  | NON-AI DAUGHTERS | 7 8,953 3.8 343        |                     |                   |
|  | 7  | WITH HERD-MATES  | 7 8,953 3.8 343        | 6 9,526 350         |                   |
|  |    |                  |                        | DIFF. 573- 7-       |                   |
| 1286604 .....                                    |    |                  |                        |                     |                   |
| STATES- 52,55                                    | 6  | NON-AI DAUGHTERS | 7 13,048 3.4 444       |                     |                   |
|  | 6  | WITH HERD-MATES  | 7 13,048 3.4 444       | 22 12,358 454       |                   |
|  |    |                  |                        | DIFF. 690 10-       |                   |
| 1286606 PENSTATE INKA PATHFINDER FDBES.....      |    |                  |                        |                     |                   |
| D9-13-56 1066229 2472441 129 AI DAUGHTERS        |    |                  | 196 12,134 4.0 482     |                     |                   |
| AI STUD, 23-05 LISTED, 08-63 128 WITH HERD-MATES |    |                  | 195 12,132 4.0 482     | 15 12,996 489       | 11,427 441        |
| STATES- 23,52                                    |    |                  |                        | DIFF. 864- 7-       |                   |
|  | 2  | NON-AI DAUGHTERS | 5 12,334 3.7 457       |                     |                   |
|  | 2  | WITH HERD-MATES  | 5 12,334 3.7 457       | 15 13,412 508       |                   |
|  |    |                  |                        | DIFF. 1078- 51-     |                   |
| 1286628 .....                                    |    |                  |                        |                     |                   |
| STATES- 21                                       | 7  | NON-AI DAUGHTERS | 7 15,577 3.8 591       |                     |                   |
|  | 7  | WITH HERD-MATES  | 7 15,577 3.8 591       | 22 15,125 577       |                   |
|  |    |                  |                        | DIFF. 452 14        |                   |
| 1286671 .....                                    |    |                  |                        |                     |                   |
| STATES- 23                                       | 7  | NON-AI DAUGHTERS | 8 17,172 3.6 621       |                     |                   |
|  | 7  | WITH HERD-MATES  | 8 17,172 3.6 621       | 9 14,564 514        |                   |
|  |    |                  |                        | DIFF. 2608 107      |                   |
| 1286758 .....                                    |    |                  |                        |                     |                   |
| STATES- 32,33,42,58                              | 10 | NON-AI DAUGHTERS | 11 14,686 3.5 514      |                     |                   |
|  | 10 | WITH HERD-MATES  | 11 14,686 3.5 514      | 28 14,323 517       |                   |
|  |    |                  |                        | DIFF. 363 3-        |                   |
| 1286826 PINEHURST KLAZERINA CHAMPION.....        |    |                  |                        |                     |                   |
| D7-02-56 1189593 2631241 14 NON-AI DAUGHTERS     |    |                  | 18 14,348 3.5 497      |                     |                   |
| AI STUD, 35-02 LISTED, 08-63 14 WITH HERD-MATES  |    |                  | 18 14,348 3.5 497      | 23 14,817 557       |                   |
| STATES- 35,56,74                                 |    |                  |                        | DIFF. 469- 60-      |                   |
| 1287023 SHAWS CRETE DUNLDGGIN AIM TIDY.....      |    |                  |                        |                     |                   |
| 08-10-56 972500 3459607 19 AI DAUGHTERS          |    |                  | 40 15,741 3.9 611      |                     |                   |
| AI STUD, 61-01 LISTED, 08-63 19 WITH HERD-MATES  |    |                  | 40 15,741 3.9 611      | 42 15,418 585       | 12,532 468        |
| STATES- 55                                       |    |                  |                        | DIFF. 323 26        |                   |
| 1287077 .....                                    |    |                  |                        |                     |                   |
| AI STUD, 94-01                                   | 5  | AI DAUGHTERS     | 5 10,532 3.6 378       |                     |                   |
| STATES- 94                                       | 5  | WITH HERD-MATES  | 5 10,532 3.6 378       | 40 9,908 336        | 12,251 453        |
|  |    |                  |                        | DIFF. 624 42        |                   |
| 1287089 OS8DRNDALÉ KING INKA FDBES.....          |    |                  |                        |                     |                   |
| 10-19-56 934577 2475925 498 AI DAUGHTERS         |    |                  | 679 13,541 3.8 514     |                     |                   |
| AI STUD, 23-02 LISTED, 08-63 495 WITH HERD-MATES |    |                  | 673 13,553 3.8 514     | 13 13,259 489       | 12,529 472        |
| STATES- 21,23,50,51                              |    |                  |                        | DIFF. 294 25        |                   |
| 1287090 DS8DRNDALÉ SIR FDBES IVANHDE.....        |    |                  |                        |                     |                   |
| 09-15-56 1189870 3539319 18 NON-AI DAUGHTERS     |    |                  | 27 13,965 4.1 578      |                     |                   |
| AI STUD, 41-25 LISTED, 08-63 18 WITH HERD-MATES  |    |                  | 27 13,965 4.1 578      | 10 13,519 504       |                   |
| STATES- 35,41                                    |    |                  |                        | DIFF. 446 74        |                   |
| 1287168 .....                                    |    |                  |                        |                     |                   |
| STATES- 35                                       | 5  | NON-AI DAUGHTERS | 5 12,498 3.4 422       |                     |                   |
|  | 5  | WITH HERD-MATES  | 5 12,498 3.4 422       | 10 11,921 446       |                   |
|  |    |                  |                        | DIFF. 577 24-       |                   |
| 1287228 .....                                    |    |                  |                        |                     |                   |
| STATES- 11,14,34                                 | 6  | NON-AI DAUGHTERS | 7 11,737 3.7 433       |                     |                   |
|  | 6  | WITH HERD-MATES  | 7 11,737 3.7 433       | 18 11,962 436       |                   |
|  |    |                  |                        | DIFF. 225- 3-       |                   |
| 1287248 .....                                    |    |                  |                        |                     |                   |
| STATES- 91                                       | 5  | NON-AI DAUGHTERS | 5 16,838 3.0 511       |                     |                   |
|  | 5  | WITH HERD-MATES  | 5 16,838 3.0 511       | 18 18,353 565       |                   |
|  |    |                  |                        | DIFF. 1515- 54-     |                   |
| 1287298 .....                                    |    |                  |                        |                     |                   |
| STATES- 57                                       | 9  | NON-AI DAUGHTERS | 9 14,859 4.1 605       |                     |                   |
|  | 9  | WITH HERD-MATES  | 9 14,859 4.1 605       | 46 14,708 550       |                   |
|  |    |                  |                        | DIFF. 151 55        |                   |
| 1287390 .....                                    |    |                  |                        |                     |                   |
| STATES- 34                                       | 6  | NON-AI DAUGHTERS | 7 11,663 3.8 440       |                     |                   |
|  | 6  | WITH HERD-MATES  | 7 11,663 3.8 440       | 14 13,389 470       |                   |
|  |    |                  |                        | DIFF. 1726- 30-     |                   |
| 1287490 SUNNYSIDE LEADER LAD.....                |    |                  |                        |                     |                   |
| 09-13-56 915940 3187309 10 NON-AI DAUGHTERS      |    |                  | 14 15,670 3.7 585      |                     |                   |
| AI STUD, 63-02 LISTED, 08-63 10 WITH HERD-MATES  |    |                  | 14 15,670 3.7 585      | 14 14,804 558       |                   |
| STATES- 23,35                                    |    |                  |                        | DIFF. 866 27        |                   |
| 1287511 .....                                    |    |                  |                        |                     |                   |
| STATES- 21                                       | 15 | NON-AI DAUGHTERS | 15 13,007 3.7 477      |                     |                   |
|  | 15 | WITH HERD-MATES  | 15 13,007 3.7 477      | 7 12,272 457        |                   |
|  |    |                  |                        | DIFF. 735 20        |                   |
| 1287517 .....                                    |    |                  |                        |                     |                   |
| STATES- 23,51                                    | 5  | NON-AI DAUGHTERS | 7 13,912 3.9 542       |                     |                   |
|  | 5  | WITH HERD-MATES  | 7 13,912 3.9 542       | 11 13,680 522       |                   |
|  |    |                  |                        | DIFF. 232 20        |                   |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                 |     |                  | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|-----|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1287781 .....                            | 5   | NDN-AI DAUGHTERS | 5           | 14,432             | 3.5       | 506         |                 |                    |            |                   |            |
| STATES- 23                               | 5   | WITH HERD-MATES  | 5           | 14,432             | 3.5       | 506         | 9               | 13,670             | 509        |                   | 3-         |
|  |     |                  |             |                    |           |             | DIFF.           | 762                |            |                   |            |
| 1287908 .....                            | 6   | NDN-AI DAUGHTERS | 7           | 11,178             | 3.7       | 416         |                 |                    |            |                   |            |
| STATES- 21,23                            | 6   | WITH HERD-MATES  | 7           | 11,178             | 3.7       | 416         | 16              | 13,283             | 493        |                   | 77-        |
|  |     |                  |             |                    |           |             | DIFF.           | 2105-              |            |                   |            |
| 1287947 .....                            | 7   | NDN-AI DAUGHTERS | 7           | 13,216             | 3.4       | 445         |                 |                    |            |                   |            |
| STATES- 21                               | 7   | WITH HERD-MATES  | 7           | 13,216             | 3.4       | 445         | 25              | 12,944             | 451        |                   | 6-         |
|  |     |                  |             |                    |           |             | DIFF.           | 272                |            |                   |            |
| 1288025 .....                            | 8   | NDN-AI DAUGHTERS | 13          | 14,683             | 4.1       | 606         |                 |                    |            |                   |            |
| STATES- 23                               | 8   | WITH HERD-MATES  | 13          | 14,683             | 4.1       | 606         | 17              | 13,184             | 516        |                   | 90         |
|  |     |                  |             |                    |           |             | DIFF.           | 1499               |            |                   |            |
| 1288038 .....                            | 6   | NDN-AI DAUGHTERS | 6           | 13,582             | 4.2       | 569         |                 |                    |            |                   |            |
| STATES- 13                               | 6   | WITH HERD-MATES  | 6           | 13,582             | 4.2       | 569         | 22              | 12,686             | 492        |                   | 77         |
|  |     |                  |             |                    |           |             | DIFF.           | 896                |            |                   |            |
| 1288090 .....                            | 5   | NDN-AI DAUGHTERS | 5           | 10,210             | 4.0       | 410         |                 |                    |            |                   |            |
| STATES- 14,35                            | 5   | WITH HERD-MATES  | 5           | 10,210             | 4.0       | 410         | 13              | 11,583             | 419        |                   | 9-         |
|  |     |                  |             |                    |           |             | DIFF.           | 1373-              |            |                   |            |
| 1288106 .....                            | 5   | NDN-AI DAUGHTERS | 5           | 14,342             | 3.6       | 523         |                 |                    |            |                   |            |
| STATES- 51                               | 5   | WITH HERD-MATES  | 5           | 14,342             | 3.6       | 523         | 15              | 13,431             | 496        |                   | 27         |
|  |     |                  |             |                    |           |             | DIFF.           | 911                |            |                   |            |
| 1288108 FRASEA MARK NETHERLAND.....      |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 08-06-55 010153547 010567507             | 9   | NDN-AI DAUGHTERS | 12          | 14,207             | 3.6       | 505         |                 |                    |            |                   |            |
| AI STUO, 35-05 LISTED, 08-63             | 9   | WITH HERD-MATES  | 12          | 14,207             | 3.6       | 505         | 11              | 14,035             | 511        |                   | 6-         |
| STATES- 82                               |     |                  |             |                    |           |             | DIFF.           | 172                |            |                   |            |
| 1288118 .....                            | 15  | NDN-AI DAUGHTERS | 15          | 14,724             | 3.8       | 557         |                 |                    |            |                   |            |
| STATES- 57                               | 15  | WITH HERD-MATES  | 15          | 14,724             | 3.8       | 557         | 38              | 14,268             | 539        |                   | 18         |
|  |     |                  |             |                    |           |             | DIFF.           | 456                |            |                   |            |
| 1288125 SISSON FARMS DOUBLE DEAN.....    |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-26-56 1049547 3439839                 | 25  | AI DAUGHTERS     | 42          | 15,587             | 3.7       | 582         |                 |                    |            |                   |            |
| AI STUO, 55-01 LISTED, 08-63             | 25  | WITH HERD-MATES  | 42          | 15,587             | 3.7       | 582         | 44              | 15,469             | 579        | 12,437            | 455        |
| STATES- 55                               |     |                  |             |                    |           |             | DIFF.           | 118                | 3          |                   |            |
| 1288194 FAIRBRDOK LUCIFER RDAMER.....    |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 01-05-56 1102436 3796343                 | 303 | AI DAUGHTERS     | 427         | 13,467             | 4.1       | 546         |                 |                    |            |                   |            |
| AI STUO, 16-04 LISTED, 08-63             | 261 | WITH HERD-MATES  | 376         | 13,466             | 4.0       | 545         | 19              | 13,468             | 498        | 12,259            | 493        |
| STATES- 13,14,15,16,21                   |     |                  |             |                    |           |             | DIFF.           | 2-                 | 47         |                   |            |
|  | 1   | NDN-AI DAUGHTERS | 1           | 8,830              | 4.3       | 378         |                 |                    |            |                   |            |
| 1288221 .....                            | 15  | NDN-AI DAUGHTERS | 17          | 12,242             | 3.8       | 464         |                 |                    |            |                   |            |
| STATES- 92                               | 15  | WITH HERD-MATES  | 17          | 12,242             | 3.8       | 464         | 8               | 14,048             | 504        |                   | 40-        |
|  |     |                  |             |                    |           |             | DIFF.           | 1806-              |            |                   |            |
| 1288309 WIS PRINCE SYMBDL.....           |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-29-56 1189593 3262642                 | 13  | NDN-AI DAUGHTERS | 22          | 17,149             | 3.4       | 577         |                 |                    |            |                   |            |
| AI STUO, 41-25 LISTED, 08-63             | 13  | WITH HERD-MATES  | 22          | 17,149             | 3.4       | 577         | 5               | 14,660             | 503        |                   | 74         |
| STATES- 42,84                            |     |                  |             |                    |           |             | DIFF.           | 2489               |            |                   |            |
| 1288467 .....                            | 6   | NDN-AI DAUGHTERS | 6           | 10,557             | 3.7       | 391         |                 |                    |            |                   |            |
| STATES- 51                               | 6   | WITH HERD-MATES  | 6           | 10,557             | 3.7       | 391         | 21              | 11,809             | 436        |                   | 45-        |
|  |     |                  |             |                    |           |             | DIFF.           | 1252-              |            |                   |            |
| 1288486 WILLCOX LAWN IMPAUL WALT.....    |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 11-21-56 956081 3145991                  | 103 | AI DAUGHTERS     | 129         | 12,554             | 3.7       | 462         |                 |                    |            |                   |            |
| AI STUO, 21-01 LISTED, 08-63             | 101 | WITH HERD-MATES  | 127         | 12,625             | 3.7       | 465         | 21              | 13,727             | 496        | 11,296            | 421        |
| STATES- 13,21,23,56                      |     |                  |             |                    |           |             | DIFF.           | 1102-              | 31-        |                   |            |
|  | 1   | NDN-AI DAUGHTERS | 1           | 12,970             | 3.6       | 465         |                 |                    |            |                   |            |
|  | 1   | WITH HERD-MATES  | 1           | 12,970             | 3.6       | 465         | 18              | 13,839             | 496        |                   | 31-        |
|  |     |                  |             |                    |           |             | DIFF.           | 869-               |            |                   |            |
| 1288488 .....                            | 7   | NDN-AI DAUGHTERS | 8           | 14,087             | 3.8       | 534         |                 |                    |            |                   |            |
| STATES- 87                               | 7   | WITH HERD-MATES  | 8           | 14,087             | 3.8       | 534         | 24              | 13,953             | 515        |                   | 19         |
|  |     |                  |             |                    |           |             | DIFF.           | 134                |            |                   |            |
| 1288534 HOWARD FARM SIR ROBURKE T V..... |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-17-56 1024453 3870239                 | 8   | NDN-AI DAUGHTERS | 9           | 15,298             | 4.2       | 646         |                 |                    |            |                   |            |
| LISTED, 08-63                            | 8   | WITH HERD-MATES  | 9           | 15,298             | 4.2       | 646         | 12              | 13,584             | 535        |                   | 111        |
| STATES- 35                               |     |                  |             |                    |           |             | DIFF.           | 1714               |            |                   |            |
| 1288718 .....                            | 8   | NDN-AI DAUGHTERS | 8           | 14,536             | 3.4       | 490         |                 |                    |            |                   |            |
| STATES- 02,91,92                         | 8   | WITH HERD-MATES  | 8           | 14,536             | 3.4       | 490         | 27              | 14,842             | 499        |                   | 9-         |
|  |     |                  |             |                    |           |             | DIFF.           | 306-               |            |                   |            |
| 1288721 CARNATION EMBLEM COMER.....      |     |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-06-56 1237664 3701770                 | 17  | NDN-AI DAUGHTERS | 20          | 16,118             | 3.6       | 582         |                 |                    |            |                   |            |
| AI STUO, 34-01 LISTED, 08-63             | 17  | WITH HERD-MATES  | 19          | 16,113             | 3.6       | 583         | 17              | 13,357             | 484        |                   | 99         |
| STATES- 34,61,74,85                      |     |                  |             |                    |           |             | DIFF.           | 2756               |            |                   |            |
| 1288761 .....                            | 6   | NDN-AI DAUGHTERS | 8           | 11,720             | 3.6       | 421         |                 |                    |            |                   |            |
| STATES- 41                               | 6   | WITH HERD-MATES  | 7           | 11,928             | 3.6       | 430         | 7               | 11,968             | 429        |                   | 1          |
|  |     |                  |             |                    |           |             | DIFF.           | 40-                |            |                   |            |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF                         |                        |            |            | ADJ. HERO-MATES |                 |            | PREDICTED AV. |           |
|---|---|------------------------|------------|------------|-----------------|-----------------|------------|---------------|-----------|
|   | RECORDS<br>NUMBER                         | MILK<br>LB             | TEST<br>%  | FAT<br>LB  | AV.<br>NUMBER   | MILK<br>LB      | FAT<br>LB  | MILK<br>LB    | FAT<br>LB |
| 1288778 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 23  | 5 NON-AI DAUGHTERS<br>5 WITH HERO-MATES   | 6 16,783<br>6 16,783   | 3.7<br>3.7 | 627<br>427 | 22<br>DIFF.     | 13,939<br>2844  | 555<br>72  |               |           |
| 1288791 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 52  | 5 NON-AI DAUGHTERS<br>5 WITH HERO-MATES   | 7 12,775<br>7 12,775   | 3.7<br>3.7 | 467<br>467 | 29<br>DIFF.     | 12,132<br>643   | 421<br>46  |               |           |
| 1288851 MASTER CHALLENGER 8DNIE PLACE.....                  |   |                        |            |            |                 |                 |            |               |           |
| 10-11-51 010211378 010695011 1113 AI DAUGHTERS              | 1571                                      | 12,318                 | 3.8        | 474        |                 |                 |            |               |           |
| AI STUO, 33-01 LISTED, 08-63 1082 WITH HERO-MATES           | 1520                                      | 12,371                 | 3.8        | 476        | 14<br>DIFF.     | 12,814<br>443-  | 482<br>6-  | 11,767        | 442       |
| STATES- 21,23,31,32,33,35,41,<br>43,52,54,55,56,57,63,64,65 | 3 NON-AI DAUGHTERS<br>3 WITH HERO-MATES   | 5 11,628<br>5 11,628   | 3.8<br>3.8 | 447<br>447 | 16<br>DIFF.     | 12,477<br>849-  | 461<br>14- |               |           |
| 1288918 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 43  | 5 NON-AI DAUGHTERS<br>5 WITH HERO-MATES   | 6 8,121<br>6 8,121     | 3.4<br>3.4 | 278<br>278 | 34<br>DIFF.     | 9,733<br>1612-  | 348<br>70- |               |           |
| 1288924 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 32  | 7 NON-AI DAUGHTERS<br>7 WITH HERO-MATES   | 10 13,974<br>10 13,974 | 3.6<br>3.6 | 508<br>508 | 14<br>DIFF.     | 13,846<br>128   | 485<br>23  |               |           |
| 1289040 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 23,51   | 5 NON-AI DAUGHTERS<br>4 WITH HERO-MATES   | 5 11,500<br>4 11,070   | 3.6<br>3.5 | 419<br>388 | 17<br>DIFF.     | 11,317<br>247-  | 426<br>38- |               |           |
| 1289041 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 23  | 12 NON-AI DAUGHTERS<br>11 WITH HERO-MATES | 15 12,971<br>14 12,754 | 3.3<br>3.3 | 434<br>427 | 8<br>DIFF.      | 12,570<br>184   | 445<br>18- |               |           |
| 1289061 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 21  | 8 NON-AI DAUGHTERS<br>8 WITH HERO-MATES   | 12 10,188<br>12 10,188 | 3.5<br>3.5 | 356<br>356 | 33<br>DIFF.     | 12,018<br>1830- | 421<br>65- |               |           |
| 1289132 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 31  | 7 NON-AI DAUGHTERS<br>7 WITH HERO-MATES   | 11 15,130<br>11 15,130 | 3.7<br>3.7 | 555<br>555 | 13<br>DIFF.     | 13,943<br>1187  | 534<br>21  |               |           |
| 1289428 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 21  | 15 NON-AI DAUGHTERS<br>14 WITH HERO-MATES | 17 12,543<br>16 12,572 | 3.6<br>3.6 | 447<br>452 | 8<br>DIFF.      | 12,344<br>228   | 418<br>34  |               |           |
| 1289453 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 23,51   | 5 NON-AI DAUGHTERS<br>5 WITH HERO-MATES   | 7 12,894<br>7 12,894   | 3.7<br>3.7 | 471<br>471 | 23<br>DIFF.     | 13,136<br>242-  | 505<br>34- |               |           |
| 1289488 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 51  | 10 NON-AI DAUGHTERS<br>10 WITH HERO-MATES | 10 10,135<br>10 10,135 | 3.5<br>3.5 | 359<br>359 | 24<br>DIFF.     | 11,032<br>897-  | 424<br>65- |               |           |
| 1289489 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 51  | 8 NON-AI DAUGHTERS<br>8 WITH HERO-MATES   | 8 11,784<br>8 11,784   | 3.8<br>3.8 | 448<br>448 | 11<br>DIFF.     | 11,171<br>613   | 436<br>12  |               |           |
| 1289508 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 23  | 5 NON-AI DAUGHTERS<br>5 WITH HERO-MATES   | 5 14,040<br>5 14,040   | 3.6<br>3.6 | 503<br>503 | 7<br>DIFF.      | 15,735<br>1695- | 569<br>66- |               |           |
| 1289531 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 23  | 6 NON-AI DAUGHTERS<br>6 WITH HERO-MATES   | 7 12,214<br>7 12,214   | 3.7<br>3.7 | 452<br>452 | 5<br>DIFF.      | 12,535<br>321-  | 481<br>29- |               |           |
| 1289568 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 21  | 7 NON-AI DAUGHTERS<br>7 WITH HERO-MATES   | 8 10,106<br>8 10,106   | 3.7<br>3.7 | 373<br>373 | 15<br>DIFF.     | 12,668<br>2562- | 444<br>71- |               |           |
| 1289578 .....   |   |                        |            |            |                 |                 |            |               |           |
| STATES- 35  | 5 NON-AI DAUGHTERS<br>5 WITH HERO-MATES   | 6 12,933<br>6 12,933   | 3.5<br>3.5 | 449<br>449 | 15<br>DIFF.     | 12,778<br>155   | 432<br>17  |               |           |
| 1289585 WEIX 8EACON.....                                    |   |                        |            |            |                 |                 |            |               |           |
| 05-01-55 1160237 3184976 54 AI DAUGHTERS                    | 59  | 12,566                 | 4.0        | 499        |                 |                 |            |               |           |
| AI STUO, 35-04 LISTED, 08-63 53 WITH HERO-MATES             | 58  | 12,572                 | 4.0        | 499        | 15<br>DIFF.     | 12,989<br>417-  | 478<br>21  | 11,866        | 463       |
| STATES- 14,31,33,35,41,42,46,<br>52,55,56,61,84             | 20 NON-AI DAUGHTERS<br>19 WITH HERO-MATES | 42 12,526<br>41 12,632 | 3.8<br>3.8 | 476<br>480 | 21<br>DIFF.     | 12,456<br>176   | 458<br>22  |               |           |
| 1289586 BRAUNS 8LOOM.....                                   |   |                        |            |            |                 |                 |            |               |           |
| 11-13-55 1228045 2489892 18 AI DAUGHTERS                    | 20  | 13,340                 | 3.6        | 477        |                 |                 |            |               |           |
| AI STUO, 35-05 LISTED, 08-63 18 WITH HERO-MATES             | 20  | 13,340                 | 3.6        | 477        | 16<br>DIFF.     | 12,724<br>616   | 463<br>14  | 12,540        | 454       |
| STATES- 21,35,41,56,61                                      | 7 NON-AI DAUGHTERS<br>6 WITH HERO-MATES   | 15 14,732<br>14 14,196 | 3.6<br>3.6 | 535<br>511 | 32<br>DIFF.     | 12,519<br>1677  | 447<br>64  |               |           |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN       |                                   |    |                  | AV. PRODUCTION OF<br>RECORDS<br>NUMBER | MILK<br>LB | TEST<br>% | DAU.<br>FAT<br>LB | AOJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK<br>LB | AV.<br>FAT<br>LB | PREDICTED AV.<br>MILK<br>LB | FAT<br>LB |
|----------------|-----------------------------------|----|------------------|--|------------|-----------|-------------------|-----------------------|--------------------------|------------------|-----------------------------|-----------|
| 1289589        | 8BRAUNS REMER COMET.....          |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
| 09-29-55       | 959466 3518653                    | 31 | NON-AI DAUGHTERS | 50                                     | 13,570     | 3.8       | 514               |                       |                          |                  |                             |           |
| AI STUO, 41-01 | LISTED, 08-63                     | 31 | WITH HERD-MATES  | 50                                     | 13,570     | 3.8       | 514               | 8                     | 12,877                   | 476              |                             |           |
| STATES-        | 35,41,42                          |    |                  |  |            |           |                   | OIFF.                 | 693                      | 38               |                             |           |
| 1289622        | STEWARTS MASTER SUPERIOR FAY..... |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
| 12-28-56       | 922288 3307812                    | 93 | AI DAUGHTERS     | 115                                    | 13,686     | 3.6       | 494               |                       |                          |                  |                             |           |
| AI STUO, 21-01 | LISTED, 08-63                     | 92 | WITH HERD-MATES  | 114                                    | 13,694     | 3.6       | 494               | 23                    | 13,519                   | 489              | 12,410                      | 452       |
| STATES-        | 13,21,22,23,52                    |    |                  |  |            |           |                   | OIFF.                 | 175                      | 5                |                             |           |
|                |                                   | 1  | NON-AI DAUGHTERS | 2                                      | 14,360     | 3.4       | 492               | 19                    | 12,473                   | 469              |                             |           |
|                |                                   | 1  | WITH HERD-MATES  | 2                                      | 14,360     | 3.4       | 492               | OIFF.                 | 1887                     | 23               |                             |           |
| 1289744        | 8AYFIELD GRAWIN POSCH LEAOER..... |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
| 11-15-56       | 976710 2502070                    | 42 | AI DAUGHTERS     | 48                                     | 13,564     | 4.0       | 537               |                       |                          |                  |                             |           |
| AI STUO, 16-04 | LISTED, 08-63                     | 39 | WITH HERD-MATES  | 45                                     | 14,027     | 3.9       | 553               | 50                    | 14,188                   | 535              | 12,168                      | 465       |
| STATES-        | 13,14,16                          |    |                  |  |            |           |                   | OIFF.                 | 161-                     | 18               |                             |           |
| 1289818        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 5  | NON-AI DAUGHTERS | 5                                      | 12,312     | 3.8       | 469               |                       |                          |                  |                             |           |
| STATES-        | 23,51                             | 5  | WITH HERD-MATES  | 5                                      | 12,312     | 3.8       | 469               | 9                     | 13,605                   | 496              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 1293-                    | 27-              |                             |           |
| 1289857        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 8  | NON-AI DAUGHTERS | 10                                     | 12,128     | 3.9       | 479               |                       |                          |                  |                             |           |
| STATES-        | 21,23                             | 8  | WITH HERD-MATES  | 10                                     | 12,128     | 3.9       | 479               | 7                     | 12,789                   | 480              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 661-                     | 1-               |                             |           |
| 1289947        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 6  | NON-AI DAUGHTERS | 8                                      | 9,704      | 3.7       | 362               |                       |                          |                  |                             |           |
| STATES-        | 21                                | 6  | WITH HERD-MATES  | 8                                      | 9,704      | 3.7       | 362               | 11                    | 11,619                   | 410              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 1915-                    | 48-              |                             |           |
| 1290091        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 6  | NON-AI DAUGHTERS | 6                                      | 12,067     | 4.1       | 495               |                       |                          |                  |                             |           |
| STATES-        | 12                                | 6  | WITH HERD-MATES  | 6                                      | 12,067     | 4.1       | 495               | 12                    | 13,127                   | 500              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 1060-                    | 5-               |                             |           |
| 1290165        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 5  | NON-AI DAUGHTERS | 5                                      | 10,534     | 3.7       | 388               |                       |                          |                  |                             |           |
| STATES-        | 35                                | 5  | WITH HERD-MATES  | 5                                      | 10,534     | 3.7       | 388               | 16                    | 12,779                   | 433              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 2245-                    | 45-              |                             |           |
| 1290181        | OSBORNOALE FOBES KNIGHT.....      |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
| 11-12-56       | 934577 3212451                    | 14 | NON-AI DAUGHTERS | 19                                     | 14,824     | 3.8       | 559               |                       |                          |                  |                             |           |
| AI STUO, 34-01 | LISTED, 08-63                     | 14 | WITH HERD-MATES  | 19                                     | 14,824     | 3.8       | 559               | 22                    | 13,258                   | 494              |                             |           |
| STATES-        | 34                                |    |                  |  |            |           |                   | OIFF.                 | 1566                     | 65               |                             |           |
| 1290182        | OSBORNDALAE ADMIRAL LUCIFER.....  |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
| 12-20-56       | 769170 4227925                    | 13 | NON-AI DAUGHTERS | 17                                     | 18,746     | 4.0       | 744               |                       |                          |                  |                             |           |
| AI STUO, 34-01 | LISTED, 08-63                     | 13 | WITH HERD-MATES  | 17                                     | 18,746     | 4.0       | 744               | 7                     | 16,738                   | 626              |                             |           |
| STATES-        | 23                                |    |                  |  |            |           |                   | OIFF.                 | 2008                     | 118              |                             |           |
| 1290204        | WYLAHMYNA AWOI FUTURE LEAOER..... |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
| 01-03-56       | 915940 3735188                    | 13 | NON-AI DAUGHTERS | 24                                     | 13,208     | 3.9       | 516               |                       |                          |                  |                             |           |
| AI STUO, 41-25 | LISTED, 08-63                     | 13 | WITH HERD-MATES  | 21                                     | 12,958     | 3.9       | 505               | 14                    | 12,245                   | 460              |                             |           |
| STATES-        | 42                                |    |                  |  |            |           |                   | OIFF.                 | 713                      | 45               |                             |           |
| 1290345        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 8  | NON-AI DAUGHTERS | 9                                      | 13,368     | 3.9       | 526               |                       |                          |                  |                             |           |
| STATES-        | 21                                | 8  | WITH HERD-MATES  | 9                                      | 13,368     | 3.9       | 526               | 15                    | 13,115                   | 488              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 253                      | 38               |                             |           |
| 1290349        | ZELOENRUST TREASURE OUK.....      |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
| 09-19-56       | 1231051 3848891                   | 96 | AI DAUGHTERS     | 103                                    | 13,241     | 3.6       | 471               |                       |                          |                  |                             |           |
| AI STUO, 31-02 | LISTED, 08-63                     | 96 | WITH HERD-MATES  | 103                                    | 13,241     | 3.6       | 471               | 18                    | 13,306                   | 484              | 12,181                      | 436       |
| STATES-        | 14,31,32,52,54,55,56,61,64,74     |    |                  |  |            |           |                   | OIFF.                 | 65-                      | 13-              |                             |           |
|                |                                   | 2  | NON-AI DAUGHTERS | 4                                      | 12,765     | 3.5       | 442               |                       |                          |                  |                             |           |
|                |                                   | 2  | WITH HERD-MATES  | 4                                      | 12,765     | 3.5       | 442               | 18                    | 13,133                   | 464              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 368-                     | 22-              |                             |           |
| 1290352        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 12 | NON-AI DAUGHTERS | 14                                     | 12,516     | 3.7       | 461               |                       |                          |                  |                             |           |
| STATES-        | 85                                | 12 | WITH HERD-MATES  | 14                                     | 12,516     | 3.7       | 461               | 31                    | 11,987                   | 438              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 529                      | 23               |                             |           |
| 1290370        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 5  | NON-AI DAUGHTERS | 7                                      | 10,672     | 4.0       | 432               |                       |                          |                  |                             |           |
| STATES-        | 23                                | 5  | WITH HERD-MATES  | 7                                      | 10,672     | 4.0       | 432               | 17                    | 10,934                   | 397              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 262-                     | 35               |                             |           |
| 1290398        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 6  | NON-AI DAUGHTERS | 6                                      | 12,500     | 3.3       | 411               |                       |                          |                  |                             |           |
| STATES-        | 42                                | 5  | WITH HERD-MATES  | 5                                      | 12,194     | 3.3       | 401               | 12                    | 12,225                   | 416              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 31-                      | 15-              |                             |           |
| 1290415        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 7  | NON-AI DAUGHTERS | 7                                      | 12,330     | 3.8       | 465               |                       |                          |                  |                             |           |
| STATES-        | 41                                | 7  | WITH HERD-MATES  | 7                                      | 12,330     | 3.8       | 465               | 10                    | 12,945                   | 475              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 615-                     | 10-              |                             |           |
| 1290485        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 7  | NON-AI DAUGHTERS | 10                                     | 13,037     | 3.6       | 467               |                       |                          |                  |                             |           |
| STATES-        | 34                                | 7  | WITH HERD-MATES  | 9                                      | 13,070     | 3.6       | 465               | 4                     | 13,546                   | 473              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 476-                     | 8-               |                             |           |
| 1290538        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 5  | NON-AI DAUGHTERS | 5                                      | 13,902     | 3.6       | 501               |                       |                          |                  |                             |           |
| STATES-        | 42                                | 5  | WITH HERD-MATES  | 5                                      | 13,902     | 3.6       | 501               | 23                    | 14,105                   | 505              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 203-                     | 4-               |                             |           |
| 1290587        | .....                             |    |                  |  |            |           |                   |                       |                          |                  |                             |           |
|                |                                   | 6  | NON-AI DAUGHTERS | 6                                      | 12,923     | 3.8       | 490               |                       |                          |                  |                             |           |
| STATES-        | 34                                | 6  | WITH HERD-MATES  | 6                                      | 12,923     | 3.8       | 490               | 9                     | 13,176                   | 473              |                             |           |
|                |                                   |    |                  |  |            |           |                   | OIFF.                 | 253-                     | 17               |                             |           |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1290616 KENJO ADMIRAL LEADSMAN.....             |                        |            |           |           |                     |            |           |               |           |
| 01-12-55 915940 2458305 21 NON-AI DAUGHTERS     | 53                     | 15,031     | 3.5       | 525       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 08-63 21 WITH HERD-MATES | 52                     | 15,003     | 3.5       | 525       | 8                   | 14,245     | 513       |               |           |
| STATES- 35,41,52                                |                        |            |           |           | DIFF.               | 758        | 12        |               |           |
| 1290644 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 21 7 NON-AI DAUGHTERS                   | 8                      | 10,454     | 4.0       | 420       |                     |            |           |               |           |
| 7 WITH HERD-MATES                               | 8                      | 10,454     | 4.0       | 420       | 14                  | 13,124     | 466       |               |           |
|   |                        |            |           |           | DIFF.               | 2670-      | 46-       |               |           |
| 1290716 HOWACRES HOMESTEAD BRUCE LAD.....       |                        |            |           |           |                     |            |           |               |           |
| 10-12-56 1038118 3696576 33 AI DAUGHTERS        | 34                     | 12,607     | 4.1       | 515       |                     |            |           |               |           |
| AI STUD, 16-04 LISTED, 08-63 31 WITH HERD-MATES | 32                     | 12,731     | 4.1       | 520       | 18                  | 12,603     | 476       | 12,261        | 478       |
| STATES- 13,14,16                                |                        |            |           |           | DIFF.               | 128        | 44        |               |           |
| 1 NON-AI DAUGHTERS                              | 1                      | 3,740      | 3.9       | 146       |                     |            |           |               |           |
| 1 WITH HERD-MATES                               | 1                      | 3,740      | 3.9       | 146       | 8                   | 8,541      | 303       |               |           |
|   |                        |            |           |           | DIFF.               | 4801-      | 157-      |               |           |
| 1290844 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 52 6 NON-AI DAUGHTERS                   | 10                     | 13,795     | 3.6       | 500       |                     |            |           |               |           |
| 6 WITH HERD-MATES                               | 10                     | 13,795     | 3.6       | 500       | 7                   | 13,840     | 485       |               |           |
|   |                        |            |           |           | DIFF.               | 45-        | 15        |               |           |
| 1290867 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 21 5 NON-AI DAUGHTERS                   | 8                      | 13,937     | 3.2       | 440       |                     |            |           |               |           |
| 5 WITH HERD-MATES                               | 8                      | 13,937     | 3.2       | 440       | 30                  | 12,559     | 461       |               |           |
|   |                        |            |           |           | DIFF.               | 1378       | 21-       |               |           |
| 1290869 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 51 9 NON-AI DAUGHTERS                   | 9                      | 13,577     | 3.9       | 529       |                     |            |           |               |           |
| 9 WITH HERD-MATES                               | 9                      | 13,577     | 3.9       | 529       | 3                   | 12,996     | 504       |               |           |
|   |                        |            |           |           | DIFF.               | 581        | 25        |               |           |
| 1290914 ORMSBY ANTHONY SUZONE.....              |                        |            |           |           |                     |            |           |               |           |
| 12-09-56 1122159 2628365 14 AI DAUGHTERS        | 18                     | 14,273     | 3.6       | 510       |                     |            |           |               |           |
| AI STUD, 33-01 LISTED, 08-63 14 WITH HERD-MATES | 18                     | 14,273     | 3.6       | 510       | 13                  | 12,722     | 476       | 12,988        | 464       |
| STATES- 33                                      |                        |            |           |           | DIFF.               | 1551       | 34        |               |           |
| 1290915 DELLA RDMULUS BEACON.....               |                        |            |           |           |                     |            |           |               |           |
| 12-16-56 1237954 2332392 17 AI DAUGHTERS        | 18                     | 12,851     | 4.0       | 518       |                     |            |           |               |           |
| AI STUD, 33-01 LISTED, 08-63 17 WITH HERD-MATES | 18                     | 12,851     | 4.0       | 518       | 11                  | 12,741     | 484       | 12,234        | 466       |
| STATES- 33                                      |                        |            |           |           | DIFF.               | 110        | 34        |               |           |
| 1291007 HICKDRY FIELDS SUPERIOR PETE.....       |                        |            |           |           |                     |            |           |               |           |
| 12-07-56 922288 3475856 54 AI DAUGHTERS         | 66                     | 12,989     | 3.6       | 462       |                     |            |           |               |           |
| AI STUD, 21-01 LISTED, 08-63 54 WITH HERD-MATES | 66                     | 12,989     | 3.6       | 462       | 17                  | 12,597     | 454       | 12,490        | 451       |
| STATES- 13,21                                   |                        |            |           |           | DIFF.               | 392        | 8         |               |           |
| 1291028 .....                                   |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 33-03 5 NON-AI DAUGHTERS               | 5                      | 15,954     | 3.5       | 564       |                     |            |           |               |           |
| STATES- 52 5 WITH HERD-MATES                    | 5                      | 15,954     | 3.5       | 564       | 6                   | 14,863     | 540       |               |           |
|   |                        |            |           |           | DIFF.               | 1091       | 24        |               |           |
| 1291040 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 35 6 NON-AI DAUGHTERS                   | 6                      | 12,743     | 3.9       | 497       |                     |            |           |               |           |
| 6 WITH HERD-MATES                               | 6                      | 12,743     | 3.9       | 497       | 8                   | 12,320     | 502       |               |           |
|   |                        |            |           |           | DIFF.               | 423        | 5-        |               |           |
| 1291043 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 23,51 6 NON-AI DAUGHTERS                | 6                      | 14,353     | 3.6       | 513       |                     |            |           |               |           |
| 6 WITH HERD-MATES                               | 6                      | 14,353     | 3.6       | 513       | 20                  | 13,355     | 489       |               |           |
|   |                        |            |           |           | DIFF.               | 998        | 24        |               |           |
| 1291057 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 21 7 NON-AI DAUGHTERS                   | 7                      | 12,299     | 3.7       | 453       |                     |            |           |               |           |
| 7 WITH HERD-MATES                               | 7                      | 12,299     | 3.7       | 453       | 8                   | 12,769     | 440       |               |           |
|   |                        |            |           |           | DIFF.               | 470-       | 13        |               |           |
| 1291134 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 52 5 NON-AI DAUGHTERS                   | 6                      | 12,296     | 3.6       | 441       |                     |            |           |               |           |
| 5 WITH HERD-MATES                               | 6                      | 12,296     | 3.6       | 441       | 28                  | 12,531     | 446       |               |           |
|   |                        |            |           |           | DIFF.               | 235-       | 5-        |               |           |
| 1291152 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 52 6 NON-AI DAUGHTERS                   | 10                     | 13,216     | 3.8       | 504       |                     |            |           |               |           |
| 6 WITH HERD-MATES                               | 10                     | 13,216     | 3.8       | 504       | 19                  | 14,158     | 506       |               |           |
|   |                        |            |           |           | DIFF.               | 942-       | 2-        |               |           |
| 1291161 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 21 6 NON-AI DAUGHTERS                   | 8                      | 14,163     | 3.7       | 523       |                     |            |           |               |           |
| 6 WITH HERD-MATES                               | 8                      | 14,163     | 3.7       | 523       | 20                  | 13,332     | 498       |               |           |
|   |                        |            |           |           | DIFF.               | 831        | 25        |               |           |
| 1291205 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 31 10 NON-AI DAUGHTERS                  | 18                     | 13,671     | 4.0       | 543       |                     |            |           |               |           |
| 10 WITH HERD-MATES                              | 18                     | 13,671     | 4.0       | 543       | 13                  | 14,606     | 538       |               |           |
|   |                        |            |           |           | DIFF.               | 935-       | 5         |               |           |
| 1291257 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 23 10 NON-AI DAUGHTERS                  | 11                     | 13,824     | 3.6       | 501       |                     |            |           |               |           |
| 10 WITH HERD-MATES                              | 11                     | 13,824     | 3.6       | 501       | 13                  | 13,736     | 542       |               |           |
|   |                        |            |           |           | DIFF.               | 88         | 41-       |               |           |
| 1291269 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 63 14 NON-AI DAUGHTERS                  | 15                     | 12,314     | 3.5       | 433       |                     |            |           |               |           |
| 14 WITH HERD-MATES                              | 15                     | 12,314     | 3.5       | 433       | 33                  | 13,385     | 477       |               |           |
|   |                        |            |           |           | DIFF.               | 1071-      | 44-       |               |           |
| 1291308 .....                                   |                        |            |           |           |                     |            |           |               |           |
| STATES- 41 7 NON-AI DAUGHTERS                   | 10                     | 15,696     | 4.0       | 628       |                     |            |           |               |           |
| 6 WITH HERD-MATES                               | 9                      | 15,679     | 4.1       | 635       | 10                  | 14,865     | 542       |               |           |
|   |                        |            |           |           | DIFF.               | 814        | 93        |               |           |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                       |    |                  | AV. RECORDS | PRODUCTION MILK LB | TEST % | ADJ. FAT LB | ADJ. AV. MILK LB | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|----|------------------|-------------|--------------------|--------|-------------|------------------|--------------------|------------|-------------------|------------|
| 1291396 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 41                                     | 7  | NON-AI DAUGHTERS | 8           | 10,604             | 3.5    | 373         |                  |                    |            |                   |            |
|  | 4  | WITH HERD-MATES  | 4           | 10,728             | 3.5    | 380         | 8                | 12,087             | 415        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 1359-              | 35-        |                   |            |
| 1291464 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 13                                     | 5  | NON-AI DAUGHTERS | 6           | 11,873             | 3.7    | 435         |                  |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 6           | 11,873             | 3.7    | 435         | 9                | 15,461             | 552        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 3588-              | 117-       |                   |            |
| 1291478 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 34                                     | 5  | NON-AI DAUGHTERS | 6           | 15,655             | 3.6    | 556         |                  |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 6           | 15,655             | 3.6    | 556         | 4                | 13,340             | 458        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 2315               | 98         |                   |            |
| 1291498 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| AI STUD, 35-75                                 | 12 | NON-AI DAUGHTERS | 13          | 21,201             | 3.4    | 729         |                  |                    |            |                   |            |
| STATES- 93                                     | 12 | WITH HERD-MATES  | 13          | 21,201             | 3.4    | 729         | 38               | 18,020             | 622        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 3181               | 107        |                   |            |
| 1291499 LAVACRES CHAL PRAIRIE.....             |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| 12-30-56 1253140 2959915                       | 18 | NON-AI DAUGHTERS | 20          | 17,230             | 3.8    | 654         |                  |                    |            |                   |            |
| AI STUD, 41-25 LISTED, 08-63                   | 18 | WITH HERD-MATES  | 20          | 17,230             | 3.8    | 654         | 18               | 15,769             | 610        |                   |            |
| STATES- 35,41                                  |    |                  |             |                    |        |             | DIFF.            | 1461               | 44         |                   |            |
| 1291633 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 23                                     | 6  | NON-AI DAUGHTERS | 8           | 12,741             | 3.7    | 469         |                  |                    |            |                   |            |
|  | 6  | WITH HERD-MATES  | 8           | 12,741             | 3.7    | 469         | 6                | 13,271             | 502        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 530-               | 33-        |                   |            |
| 1291674 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 41                                     | 8  | NON-AI DAUGHTERS | 8           | 11,349             | 3.9    | 439         |                  |                    |            |                   |            |
|  | 8  | WITH HERD-MATES  | 8           | 11,349             | 3.9    | 439         | 18               | 12,882             | 492        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 1533-              | 53-        |                   |            |
| 1291724 WIS DISTINCTION.....                   |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| 01-23-57 1192327 3111751                       | 23 | NON-AI DAUGHTERS | 31          | 15,645             | 3.8    | 597         |                  |                    |            |                   |            |
| AI STUD, 41-01 LISTED, 08-63                   | 23 | WITH HERD-MATES  | 30          | 15,639             | 3.8    | 599         | 9                | 14,580             | 561        |                   |            |
| STATES- 41,42                                  |    |                  |             |                    |        |             | DIFF.            | 1059               | 38         |                   |            |
| 1291783 DOLVIC ORMSBY FOBES ROBURKE.....       |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| 03-08-56 1024453 3050773                       | 11 | NON-AI DAUGHTERS | 17          | 14,610             | 4.1    | 598         |                  |                    |            |                   |            |
| AI STUD, 41-01 LISTED, 08-63                   | 11 | WITH HERD-MATES  | 16          | 14,556             | 4.1    | 594         | 16               | 15,057             | 610        |                   |            |
| STATES- 35                                     |    |                  |             |                    |        |             | DIFF.            | 501-               | 16-        |                   |            |
| 1291784 DOLVIC ROBURKE BEETS BRUCE.....        |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| 03-31-56 1024453 3609497                       | 10 | NON-AI DAUGHTERS | 16          | 15,575             | 4.0    | 622         |                  |                    |            |                   |            |
| AI STUD, 41-01 LISTED, 08-63                   | 10 | WITH HERD-MATES  | 16          | 15,575             | 4.0    | 622         | 20               | 15,230             | 623        |                   |            |
| STATES- 35                                     |    |                  |             |                    |        |             | DIFF.            | 345                | 1-         |                   |            |
| 1291786 SIR AIRVUE MONOGRAM DIPLOMAT.....      |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| 03-11-56 1001985 011037697                     | 22 | AI DAUGHTERS     | 29          | 13,278             | 3.8    | 500         |                  |                    |            |                   |            |
| AI STUD, 41-25 LISTED, 08-63                   | 22 | WITH HERD-MATES  | 29          | 13,278             | 3.8    | 500         | 13               | 12,356             | 456        | 12,739            | 473        |
| STATES- 43                                     |    |                  |             |                    |        |             | DIFF.            | 922                | 44         |                   |            |
| 1291794 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 21                                     | 5  | NON-AI DAUGHTERS | 5           | 12,414             | 3.5    | 431         |                  |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 5           | 12,414             | 3.5    | 431         | 16               | 12,421             | 444        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 7-                 | 13-        |                   |            |
| 1291804 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 86                                     | 7  | NON-AI DAUGHTERS | 8           | 15,984             | 3.6    | 579         |                  |                    |            |                   |            |
|  | 7  | WITH HERD-MATES  | 8           | 15,984             | 3.6    | 579         | 25               | 14,189             | 500        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 1795               | 79         |                   |            |
| 1291899 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 35                                     | 6  | NON-AI DAUGHTERS | 6           | 16,085             | 3.5    | 558         |                  |                    |            |                   |            |
|  | 6  | WITH HERD-MATES  | 6           | 16,085             | 3.5    | 558         | 15               | 14,606             | 532        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 1479               | 26         |                   |            |
| 1292048 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 61                                     | 6  | NON-AI DAUGHTERS | 9           | 12,775             | 3.9    | 500         |                  |                    |            |                   |            |
|  | 6  | WITH HERD-MATES  | 9           | 12,775             | 3.9    | 500         | 18               | 12,808             | 487        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 33-                | 13         |                   |            |
| 1292082 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 23                                     | 6  | NON-AI DAUGHTERS | 8           | 10,883             | 4.2    | 457         |                  |                    |            |                   |            |
|  | 6  | WITH HERD-MATES  | 8           | 10,883             | 4.2    | 457         | 30               | 11,039             | 427        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 156-               | 30         |                   |            |
| 1292095 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 21                                     | 5  | NON-AI DAUGHTERS | 7           | 11,318             | 3.2    | 367         |                  |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 7           | 11,318             | 3.2    | 367         | 30               | 13,422             | 466        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 2104-              | 99-        |                   |            |
| 1292145 COUNTRY BUTTER BOY DIGNITY - TWIN..... |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| 11-09-56 1257762 2560346                       | 34 | AI DAUGHTERS     | 34          | 13,405             | 4.0    | 535         |                  |                    |            |                   |            |
| AI STUD, 87-01 LISTED, 08-63                   | 34 | WITH HERD-MATES  | 34          | 13,405             | 4.0    | 535         | 12               | 13,709             | 488        | 12,028            | 481        |
| STATES- 82,83,87                               |    |                  |             |                    |        |             | DIFF.            | 304-               | 47         |                   |            |
|  | 3  | NON-AI DAUGHTERS | 6           | 13,134             | 3.9    | 517         |                  |                    |            |                   |            |
|  | 3  | WITH HERD-MATES  | 6           | 13,134             | 3.9    | 517         | 16               | 13,121             | 491        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 13                 | 26         |                   |            |
| 1292158 .....                                  |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| STATES- 21                                     | 5  | NON-AI DAUGHTERS | 5           | 13,714             | 3.9    | 535         |                  |                    |            |                   |            |
|  | 5  | WITH HERD-MATES  | 5           | 13,714             | 3.9    | 535         | 10               | 13,936             | 522        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 222-               | 13         |                   |            |
| 1292242 BESSIE B F BUBBLER DUKE.....           |    |                  |             |                    |        |             |                  |                    |            |                   |            |
| 08-13-56 1202814 3342774                       | 1  | AI DAUGHTERS     | 1           | 12,450             | 3.3    | 411         |                  |                    |            |                   |            |
| AI STUD, 87-01 LISTED, 08-63                   | 6  | NON-AI DAUGHTERS | 9           | 13,919             | 3.7    | 514         |                  |                    |            |                   |            |
| STATES- 82,87                                  | 6  | WITH HERD-MATES  | 9           | 13,919             | 3.7    | 514         | 9                | 11,496             | 416        |                   |            |
|  |    |                  |             |                    |        |             | DIFF.            | 2423               | 98         |                   |            |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                              |                     |                   | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|---------------------------------------|---------------------|-------------------|------------------------|---------------------|-------------------|
|                                       |                     |                   | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|                                       |                     |                   | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8             |
| 1292249 .....                         | 6 NDN-AI DAUGHTERS  | 9 13,864 3.8 529  |                        |                     |                   |
| STATES- 87                            | 6 WITH HERD-MATES   | 9 13,864 3.8 529  | 14 12,350 439          |                     |                   |
|                                       |                     |                   | DIFF. 1514 90          |                     |                   |
| 1292297 .....                         | 14 NDN-AI DAUGHTERS | 15 11,847 3.6 432 |                        |                     |                   |
| STATES- 91                            | 14 WITH HERD-MATES  | 15 11,847 3.6 432 | 6 10,613 381           |                     |                   |
|                                       |                     |                   | DIFF. 1234 51          |                     |                   |
| 1292391 .....                         | 8 NDN-AI DAUGHTERS  | 9 10,708 3.6 389  |                        |                     |                   |
| STATES- 48,71                         | 8 WITH HERD-MATES   | 9 10,708 3.6 389  | 30 10,031 359          |                     |                   |
|                                       |                     |                   | DIFF. 677 30           |                     |                   |
| 1292395 .....                         | 6 NDN-AI DAUGHTERS  | 6 13,503 3.4 461  |                        |                     |                   |
| STATES- 35,61                         | 6 WITH HERD-MATES   | 6 13,503 3.4 461  | 20 12,608 457          |                     |                   |
|                                       |                     |                   | DIFF. 895 4            |                     |                   |
| 1292438 .....                         | 9 NDN-AI DAUGHTERS  | 10 14,795 3.7 545 |                        |                     |                   |
| STATES- 35,42                         | 9 WITH HERD-MATES   | 9 14,834 3.7 546  | 10 13,618 504          |                     |                   |
|                                       |                     |                   | DIFF. 1216 42          |                     |                   |
| 1292458 .....                         | 8 NDN-AI DAUGHTERS  | 9 12,987 3.6 467  |                        |                     |                   |
| AI STUD, 42-02                        | 8 WITH HERD-MATES   | 9 12,987 3.6 467  | 12 14,038 481          |                     |                   |
| STATES- 42                            |                     |                   | DIFF. 1051- 14-        |                     |                   |
| 1292478 .....                         | 5 NDN-AI DAUGHTERS  | 5 14,418 3.7 529  |                        |                     |                   |
| STATES- 42                            | 5 WITH HERD-MATES   | 5 14,418 3.7 529  | 4 12,193 437           |                     |                   |
|                                       |                     |                   | DIFF. 2225 92          |                     |                   |
| 1292501 .....                         | 5 NDN-AI DAUGHTERS  | 9 16,196 3.4 554  |                        |                     |                   |
| STATES- 91,92                         | 5 WITH HERD-MATES   | 9 16,196 3.4 554  | 15 14,162 500          |                     |                   |
|                                       |                     |                   | DIFF. 2034 54          |                     |                   |
| 1292648 .....                         | 10 NDN-AI DAUGHTERS | 10 16,342 4.0 656 |                        |                     |                   |
| STATES- 11                            | 10 WITH HERD-MATES  | 10 16,342 4.0 656 | 21 14,844 575          |                     |                   |
|                                       |                     |                   | DIFF. 1498 81          |                     |                   |
| 1292677 .....                         | 12 NDN-AI DAUGHTERS | 16 13,900 3.6 507 |                        |                     |                   |
| STATES- 65                            | 12 WITH HERD-MATES  | 16 13,900 3.6 507 | 16 14,175 489          |                     |                   |
|                                       |                     |                   | DIFF. 275- 18          |                     |                   |
| 1292708 .....                         | 7 NDN-AI DAUGHTERS  | 7 13,699 3.7 508  |                        |                     |                   |
| STATES- 52                            | 7 WITH HERD-MATES   | 7 13,699 3.7 508  | 40 12,883 469          |                     |                   |
|                                       |                     |                   | DIFF. 816 39           |                     |                   |
| 1292829 CLIFFVIEW ASPIRANT REGAL..... |                     |                   |                        |                     |                   |
| 01-28-56 984799 2762024               | 20 NDN-AI DAUGHTERS | 30 17,245 3.4 586 |                        |                     |                   |
| AI STUD, 35-75 LISTED, 08-63          | 20 WITH HERD-MATES  | 30 17,245 3.4 586 | 7 15,769 528           |                     |                   |
| STATES- 48                            |                     |                   | DIFF. 1476 58          |                     |                   |
| 1292830 .....                         | 5 NDN-AI DAUGHTERS  | 6 12,304 3.8 464  |                        |                     |                   |
| STATES- 23,35,55                      | 5 WITH HERD-MATES   | 6 12,304 3.8 464  | 12 11,909 448          |                     |                   |
|                                       |                     |                   | DIFF. 395 16           |                     |                   |
| 1292846 .....                         | 5 NDN-AI DAUGHTERS  | 6 14,698 3.5 518  |                        |                     |                   |
| STATES- 41                            | 5 WITH HERD-MATES   | 6 14,698 3.5 518  | 12 12,954 497          |                     |                   |
|                                       |                     |                   | DIFF. 1744 21          |                     |                   |
| 1292880 MODSEHEART PIDNEER.....       |                     |                   |                        |                     |                   |
| 07-03-56 1024453 2811265              | 33 NDN-AI DAUGHTERS | 44 15,067 3.9 584 |                        |                     |                   |
| AI STUD, 33-03 LISTED, 08-63          | 33 WITH HERD-MATES  | 44 15,067 3.9 584 | 29 14,251 530          |                     |                   |
| STATES- 35,56                         |                     |                   | DIFF. 816 54           |                     |                   |
| 1292902 .....                         | 5 NDN-AI DAUGHTERS  | 7 13,405 3.4 458  |                        |                     |                   |
| STATES- 23                            | 5 WITH HERD-MATES   | 6 13,588 3.4 467  | 18 14,296 518          |                     |                   |
|                                       |                     |                   | DIFF. 708- 51-         |                     |                   |
| 1292963 .....                         | 5 NDN-AI DAUGHTERS  | 7 11,788 3.8 453  |                        |                     |                   |
| STATES- 13                            | 5 WITH HERD-MATES   | 7 11,788 3.8 453  | 15 12,409 464          |                     |                   |
|                                       |                     |                   | DIFF. 621- 11-         |                     |                   |
| 1292985 .....                         | 9 NDN-AI DAUGHTERS  | 10 11,162 3.5 396 |                        |                     |                   |
| STATES- 51,54,63                      | 9 WITH HERD-MATES   | 10 11,162 3.5 396 | 19 11,285 422          |                     |                   |
|                                       |                     |                   | DIFF. 123- 26-         |                     |                   |
| 1292993 .....                         | 6 NDN-AI DAUGHTERS  | 6 12,802 3.6 459  |                        |                     |                   |
| STATES- 42,46                         | 6 WITH HERD-MATES   | 6 12,802 3.6 459  | 4 13,810 486           |                     |                   |
|                                       |                     |                   | DIFF. 1008- 27-        |                     |                   |
| 1292994 .....                         | 5 NDN-AI DAUGHTERS  | 7 14,049 3.8 529  |                        |                     |                   |
| STATES- 41                            | 5 WITH HERD-MATES   | 7 14,049 3.8 529  | 9 13,004 459           |                     |                   |
|                                       |                     |                   | DIFF. 1045 70          |                     |                   |
| 1293157 .....                         | 5 NDN-AI DAUGHTERS  | 5 12,228 4.0 495  |                        |                     |                   |
| STATES- 21                            | 5 WITH HERD-MATES   | 5 12,228 4.0 495  | 20 13,940 533          |                     |                   |
|                                       |                     |                   | DIFF. 1712- 38-        |                     |                   |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   |                                    |                     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | AV. FAT L8           |
|--|------------------------------------|---------------------|------------------------|---------------------|-------------|------------|-----------------------|----------------------|
|  |                                    |                     | RECDROS NUMBER         | AV. MILK L8         | TEST %      | FAT L8     | NUMBER                |                      |
| 1293165  | .....                              | 6 NON-AI DAUGHTERS  | 6                      | 13,270              | 3.5         | 468        |                       |                      |
| STATES- 35   |                                    | 6 WITH HERD-MATES   | 6                      | 13,270              | 3.5         | 468        | 15 DIFF.              | 13,761 491- 474 6-   |
| 1293201  | .....                              | 5 NDN-AI DAUGHTERS  | 5                      | 15,306              | 3.8         | 586        |                       |                      |
| STATES- 91,92  |                                    | 3 WITH HERD-MATES   | 3                      | 15,973              | 3.7         | 593        | 5 DIFF.               | 14,251 1722 527 66   |
| 1293220  | .....                              | 5 NDN-AI DAUGHTERS  | 7                      | 11,923              | 3.4         | 410        |                       |                      |
| STATES- 52   |                                    | 5 WITH HERD-MATES   | 7                      | 11,923              | 3.4         | 410        | 14 DIFF.              | 9,579 2344 344 66    |
| 1293263  | MIOLAND BURKE AORIAN MAGIC.....    |                     |                        |                     |             |            |                       |                      |
| 10-15-56   | 961535 3703972                     | 28 AI DAUGHTERS     | 29                     | 14,417              | 3.7         | 528        |                       |                      |
| AI STUO, 92-01 LISTED, 08-63                             |                                    | 28 WITH HERD-MATES  | 29                     | 14,417              | 3.7         | 528        | 25 DIFF.              | 14,143 274 521 7     |
| STATES- 92,93  |                                    | 3 NDN-AI DAUGHTERS  | 3                      | 13,033              | 4.1         | 533        |                       |                      |
|  |                                    | 3 WITH HERD-MATES   | 3                      | 13,033              | 4.1         | 533        | 20 DIFF.              | 16,242 3209- 615 82- |
| 1293392  | .....                              | 6 NON-AI DAUGHTERS  | 8                      | 11,474              | 3.8         | 439        |                       |                      |
| STATES- 35   |                                    | 6 WITH HERD-MATES   | 8                      | 11,474              | 3.8         | 439        | 12 DIFF.              | 11,992 518- 436 3    |
| 1293400  | .....                              | 5 NON-AI DAUGHTERS  | 6                      | 12,884              | 3.8         | 491        |                       |                      |
| STATES- 50,51  |                                    | 5 WITH HERD-MATES   | 6                      | 12,884              | 3.8         | 491        | 8 DIFF.               | 13,029 145- 490 1    |
| 1293401  | LYON BRDDK WALLIE PRINCE.....      |                     |                        |                     |             |            |                       |                      |
| 05-31-56   | 1190632 3938067                    | 10 AI DAUGHTERS     | 10                     | 14,096              | 3.5         | 497        |                       |                      |
| AI STUO, 63-01 LISTED, 08-63                             |                                    | 10 WITH HERD-MATES  | 10                     | 14,096              | 3.5         | 497        | 18 DIFF.              | 12,427 1669 462 35   |
| STATES- 21,23,50,51,52,55,56, 63                         |                                    | 18 NDN-AI DAUGHTERS | 24                     | 12,618              | 3.5         | 444        |                       |                      |
|  |                                    | 18 WITH HERD-MATES  | 24                     | 12,618              | 3.5         | 444        | 16 DIFF.              | 12,946 328- 470 26-  |
| 1293523  | .....                              | 5 NON-AI DAUGHTERS  | 5                      | 12,876              | 3.5         | 456        |                       |                      |
| STATES- 41   |                                    | 5 WITH HERD-MATES   | 5                      | 12,876              | 3.5         | 456        | 16 DIFF.              | 12,483 393 453 3     |
| 1293574  | .....                              | 9 NDN-AI DAUGHTERS  | 12                     | 10,273              | 3.8         | 389        |                       |                      |
| STATES- 14,21  |                                    | 9 WITH HERD-MATES   | 12                     | 10,273              | 3.8         | 389        | 4 DIFF.               | 11,016 743- 396 7-   |
| 1293577  | .....                              | 6 NDN-AI DAUGHTERS  | 11                     | 14,363              | 3.8         | 547        |                       |                      |
| STATES- 14,16,21   |                                    | 6 WITH HERD-MATES   | 11                     | 14,363              | 3.8         | 547        | 7 DIFF.               | 13,943 420 532 15    |
| 1293580  | MAYERS MAJESTY DUKE.....           |                     |                        |                     |             |            |                       |                      |
| 05-17-55   | 1223977 3309700                    | 386 AI DAUGHTERS    | 422                    | 12,330              | 3.8         | 471        |                       |                      |
| AI STUO, 33-01 LISTED, 08-63                             |                                    | 380 WITH HERD-MATES | 414                    | 12,367              | 3.8         | 473        | 16 DIFF.              | 12,718 351- 477 4-   |
| STATES- 11,14,21,31,32,33,34, 35,42,52,54,55,57,61,63,64 |                                    | 36 NDN-AI DAUGHTERS | 67                     | 12,502              | 3.8         | 480        |                       |                      |
|  |                                    | 36 WITH HERD-MATES  | 67                     | 12,502              | 3.8         | 480        | 18 DIFF.              | 13,450 948- 503 23-  |
| 1293814  | .....                              | 10 NDN-AI DAUGHTERS | 10                     | 10,633              | 4.0         | 425        |                       |                      |
| STATES- 51   |                                    | 8 WITH HERD-MATES   | 8                      | 10,744              | 4.0         | 431        | 5 DIFF.               | 11,918 1174- 439 8-  |
| 1293882  | .....                              | 6 NDN-AI DAUGHTERS  | 11                     | 12,677              | 3.6         | 459        |                       |                      |
| STATES- 23   |                                    | 6 WITH HERD-MATES   | 11                     | 12,677              | 3.6         | 459        | 6 DIFF.               | 13,013 336- 479 20-  |
| 1293918  | .....                              | 8 NDN-AI DAUGHTERS  | 9                      | 14,783              | 3.7         | 543        |                       |                      |
| STATES- 34   |                                    | 8 WITH HERD-MATES   | 8                      | 15,379              | 3.6         | 561        | 14 DIFF.              | 13,830 1549 513 48   |
| 1293968  | .....                              | 5 NDN-AI DAUGHTERS  | 5                      | 14,262              | 3.7         | 529        |                       |                      |
| STATES- 14,16  |                                    | 5 WITH HERD-MATES   | 5                      | 14,262              | 3.7         | 529        | 18 DIFF.              | 12,698 1564 460 69   |
| 1294016  | WINTERTHUR IDDL FLARE LEANDER..... |                     |                        |                     |             |            |                       |                      |
| 07-21-56   | 1213163 3560808                    | 16 NDN-AI DAUGHTERS | 30                     | 15,690              | 3.5         | 552        |                       |                      |
| AI STUO, 23-08 LISTED, 08-63                             |                                    | 16 WITH HERD-MATES  | 30                     | 15,690              | 3.5         | 552        | 18 DIFF.              | 14,089 1601 500 52   |
| STATES- 21   |                                    |                     |                        |                     |             |            |                       |                      |
| 1294047  | .....                              | 6 NDN-AI DAUGHTERS  | 7                      | 11,508              | 3.5         | 401        |                       |                      |
| STATES- 33   |                                    | 6 WITH HERD-MATES   | 7                      | 11,508              | 3.5         | 401        | 9 DIFF.               | 12,086 578- 442 41-  |
| 1294093  | .....                              | 6 NDN-AI DAUGHTERS  | 6                      | 11,375              | 3.2         | 367        |                       |                      |
| STATES- 61   |                                    | 6 WITH HERD-MATES   | 6                      | 11,375              | 3.2         | 367        | 5 DIFF.               | 10,295 1080 349 18   |
| 1294113  | .....                              | 5 NDN-AI DAUGHTERS  | 7                      | 12,997              | 3.7         | 485        |                       |                      |
| STATES- 21   |                                    | 5 WITH HERD-MATES   | 7                      | 12,997              | 3.7         | 485        | 17 DIFF.              | 13,392 395- 495 10-  |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                              |    |                  | AV. PRODUCTION OF DAU.                         | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|---------------------------------------|----|------------------|--|---------------------|-------------------|
|                                       |    |                  | RECORDS MILK TEST FAT NUMBER MILK FAT MILK FAT |                     |                   |
|                                       |    |                  | NUMBER LB % LB                                 | NUMBER LB LB        | L8 LB             |
| 1294160 .....                         |    |                  |  |                     |                   |
| STATES- 14                            | 5  | NDN-AI DAUGHTERS | 7 11,816 3.6 427                               |                     |                   |
|                                       | 5  | WITH HERD-MATES  | 7 11,816 3.6 427                               | 23                  | 13,127 518        |
|                                       |    |                  |  | DIFF.               | 1311- 91-         |
| 1294185 .....                         |    |                  |  |                     |                   |
| STATES- 41                            | 5  | NDN-AI DAUGHTERS | 6 14,654 3.5 517                               |                     |                   |
|                                       | 4  | WITH HERD-MATES  | 5 14,785 3.5 513                               | 4                   | 13,508 468        |
|                                       |    |                  |  | DIFF.               | 1277 45           |
| 1294217 .....                         |    |                  |  |                     |                   |
| STATES- 50,51,52                      | 5  | NDN-AI DAUGHTERS | 5 14,072 3.7 523                               |                     |                   |
|                                       | 5  | WITH HERD-MATES  | 5 14,072 3.7 523                               | 14                  | 13,152 504        |
|                                       |    |                  |  | DIFF.               | 920 19            |
| 1294249 .....                         |    |                  |  |                     |                   |
| STATES- 34                            | 10 | NDN-AI DAUGHTERS | 10 15,676 3.4 531                              |                     |                   |
|                                       | 10 | WITH HERD-MATES  | 10 15,676 3.4 531                              | 16                  | 15,298 549        |
|                                       |    |                  |  | DIFF.               | 378 18-           |
| 1294358 .....                         |    |                  |  |                     |                   |
| STATES- 23                            | 7  | NDN-AI DAUGHTERS | 7 17,264 3.8 654                               |                     |                   |
|                                       | 7  | WITH HERD-MATES  | 7 17,264 3.8 654                               | 18                  | 16,112 591        |
|                                       |    |                  |  | DIFF.               | 1152 63           |
| 1294363 .....                         |    |                  |  |                     |                   |
| STATES- 31                            | 6  | NDN-AI DAUGHTERS | 6 15,140 3.3 503                               |                     |                   |
|                                       | 6  | WITH HERD-MATES  | 6 15,140 3.3 503                               | 6                   | 12,835 432        |
|                                       |    |                  |  | DIFF.               | 2305 71           |
| 1294384 CASH-MAR DRMSBY MDDIE.....    |    |                  |  |                     |                   |
| 03-20-56 1138441 3349369              | 15 | NDN-AI DAUGHTERS | 21 11,937 3.5 415                              |                     |                   |
| AI STUD, 72-01 LISTED, 08-63          | 15 | WITH HERD-MATES  | 21 11,937 3.5 415                              | 22                  | 12,627 444        |
| STATES- 72                            |    |                  |  | DIFF.               | 690- 29-          |
| 1294388 .....                         |    |                  |  |                     |                   |
| STATES- 41                            | 5  | NDN-AI DAUGHTERS | 5 13,520 3.6 492                               |                     |                   |
|                                       | 5  | WITH HERD-MATES  | 5 13,520 3.6 492                               | 10                  | 13,052 462        |
|                                       |    |                  |  | DIFF.               | 468 30            |
| 1294468 .....                         |    |                  |  |                     |                   |
| STATES- 21                            | 8  | NDN-AI DAUGHTERS | 8 13,028 3.5 456                               |                     |                   |
|                                       | 8  | WITH HERD-MATES  | 8 13,028 3.5 456                               | 23                  | 13,634 492        |
|                                       |    |                  |  | DIFF.               | 606- 36-          |
| 1294522 .....                         |    |                  |  |                     |                   |
| STATES- 21                            | 8  | NDN-AI DAUGHTERS | 11 10,995 3.7 407                              |                     |                   |
|                                       | 8  | WITH HERD-MATES  | 11 10,995 3.7 407                              | 13                  | 12,015 422        |
|                                       |    |                  |  | DIFF.               | 1020- 15-         |
| 1294603 .....                         |    |                  |  |                     |                   |
| STATES- 63                            | 14 | NDN-AI DAUGHTERS | 14 10,649 3.5 376                              |                     |                   |
|                                       | 14 | WITH HERD-MATES  | 14 10,649 3.5 376                              | 17                  | 10,948 371        |
|                                       |    |                  |  | DIFF.               | 299- 5            |
| 1294622 .....                         |    |                  |  |                     |                   |
| STATES- 23                            | 7  | NDN-AI DAUGHTERS | 7 13,054 3.7 489                               |                     |                   |
|                                       | 6  | WITH HERD-MATES  | 6 13,130 3.8 496                               | 13                  | 13,684 503        |
|                                       |    |                  |  | DIFF.               | 554- 7-           |
| 1294698 .....                         |    |                  |  |                     |                   |
| STATES- 35                            | 5  | NDN-AI DAUGHTERS | 6 13,519 3.6 486                               |                     |                   |
|                                       | 5  | WITH HERD-MATES  | 6 13,519 3.6 486                               | 13                  | 12,913 467        |
|                                       |    |                  |  | DIFF.               | 606 19            |
| 1294703 WIL-O-WHIT RDBURKE MDOEL..... |    |                  |  |                     |                   |
| 03-21-56 1024453 3140596              | 10 | NDN-AI DAUGHTERS | 13 15,445 3.5 546                              |                     |                   |
| AI STUD, 33-03 LISTED, 08-63          | 10 | WITH HERD-MATES  | 13 15,445 3.5 546                              | 10                  | 13,524 478        |
| STATES- 83,87                         |    |                  |  | DIFF.               | 1921 68           |
| 1294720 .....                         |    |                  |  |                     |                   |
| STATES- 34                            | 6  | NDN-AI DAUGHTERS | 7 15,092 3.6 550                               |                     |                   |
|                                       | 5  | WITH HERD-MATES  | 6 16,212 3.7 593                               | 11                  | 14,787 527        |
|                                       |    |                  |  | DIFF.               | 1425 66           |
| 1294809 .....                         |    |                  |  |                     |                   |
| STATES- 31                            | 11 | NDN-AI DAUGHTERS | 12 12,524 3.7 461                              |                     |                   |
|                                       | 11 | WITH HERD-MATES  | 12 12,524 3.7 461                              | 7                   | 12,015 428        |
|                                       |    |                  |  | DIFF.               | 509 33            |
| 1294824 CLANYARD ROMULUS HARRY.....   |    |                  |  |                     |                   |
| 07-08-56 1237594 2995445              | 9  | AI DAUGHTERS     | 14 13,027 4.0 523                              |                     |                   |
| AI STUD, 33-01 LISTED, 08-63          | 9  | WITH HERD-MATES  | 14 13,027 4.0 523                              | 15                  | 13,006 490        |
| STATES- 33                            |    |                  |  | DIFF.               | 21 33             |
| 1294825 AUDIC ANTHONY LUCKY.....      |    |                  |  |                     |                   |
| 01-12-57 1122159 3259895              | 19 | AI DAUGHTERS     | 24 12,782 4.0 508                              |                     |                   |
| AI STUD, 33-01 LISTED, 08-63          | 19 | WITH HERD-MATES  | 24 12,782 4.0 508                              | 13                  | 12,163 447        |
| STATES- 33,35,56                      |    |                  |  | DIFF.               | 619 61            |
| 1295020 .....                         |    |                  |  |                     |                   |
| STATES- 35,52                         | 7  | NDN-AI DAUGHTERS | 7 13,866 3.8 522                               |                     |                   |
|                                       | 7  | WITH HERD-MATES  | 7 13,866 3.8 522                               | 14                  | 13,345 489        |
|                                       |    |                  |  | DIFF.               | 521 33            |
| 1295021 .....                         |    |                  |  |                     |                   |
| STATES- 35                            | 5  | NDN-AI DAUGHTERS | 6 11,473 3.4 394                               |                     |                   |
|                                       | 5  | WITH HERD-MATES  | 6 11,473 3.4 394                               | 8                   | 10,948 391        |
|                                       |    |                  |  | DIFF.               | 525 3             |
| 1295026 .....                         |    |                  |  |                     |                   |
| STATES- 23                            | 6  | NDN-AI DAUGHTERS | 6 15,748 3.6 573                               |                     |                   |
|                                       | 6  | WITH HERD-MATES  | 6 15,748 3.6 573                               | 22                  | 14,457 535        |
|                                       |    |                  |  | DIFF.               | 1291 38           |



| SIRE'S DF DHA DAUGHTERS |   |               |                  | AV. RECORDS      | PRDUCTION | DF     | DAU. | ADJ. HERD-MATES |          |        | AV. | PREDICTED |         |
|-------------------------|---|---------------|------------------|------------------|-----------|--------|------|-----------------|----------|--------|-----|-----------|---------|
| HOLSTEIN                |   |               |                  | NUMBER           | MILK      | TEST   | FAT  | NUMBER          | AV. MILK | FAT    | L8  | MILK      | AV. FAT |
|                         |   |               |                  |                  | L8        | %      | L8   |                 |          |        |     | L8        | L8      |
| 1295117                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 21,23,50                                  | 5             | NDN-AI DAUGHTERS | 9                | 13,216    | 4.1    | 540  |                 |          |        |     |           |         |
|                         |   | 5             | WITH HERD-MATES  | 9                | 13,216    | 4.1    | 540  | 9               | 12,731   | 467    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 485      | 73     |     |           |         |
| 1295271                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 21  | 5             | NDN-AI DAUGHTERS | 7                | 12,209    | 3.4    | 414  |                 |          |        |     |           |         |
|                         |   | 5             | WITH HERD-MATES  | 7                | 12,209    | 3.4    | 414  | 27              | 14,073   | 499    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 1864-    | 85-    |     |           |         |
| 1295307                 | RICH-HERD TEXAL TRIUMPH.....              |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| 12-23-55                | 1235336                                   | 3974559       | 20               | NDN-AI DAUGHTERS | 27        | 14,978 | 3.7  | 561             |          |        |     |           |         |
| AI STUD,                | 35-05                                     | LISTED, 08-63 | 19               | WITH HERD-MATES  | 26        | 14,817 | 3.7  | 553             | 11       | 14,570 | 537 |           |         |
| STATES-                 | 82,84,87                                  |               |                  |                  |           |        |      | DIFF.           | 247      | 16     |     |           |         |
| 1295309                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 23  | 5             | NDN-AI DAUGHTERS | 5                | 10,930    | 3.6    | 398  |                 |          |        |     |           |         |
|                         |   | 5             | WITH HERD-MATES  | 5                | 10,930    | 3.6    | 398  | 10              | 11,844   | 440    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 914-     | 42-    |     |           |         |
| 1295328                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 23  | 10            | NDN-AI DAUGHTERS | 12               | 13,291    | 3.6    | 477  |                 |          |        |     |           |         |
|                         |   | 10            | WITH HERD-MATES  | 12               | 13,291    | 3.6    | 477  | 11              | 13,736   | 483    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 445-     | 6-     |     |           |         |
| 1295407                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 23  | 6             | NDN-AI DAUGHTERS | 8                | 11,717    | 4.0    | 465  |                 |          |        |     |           |         |
|                         |   | 6             | WITH HERD-MATES  | 8                | 11,717    | 4.0    | 465  | 11              | 12,104   | 456    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 387-     | 9      |     |           |         |
| 1295408                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 33  | 5             | NDN-AI DAUGHTERS | 5                | 11,622    | 4.0    | 460  |                 |          |        |     |           |         |
|                         |   | 5             | WITH HERD-MATES  | 5                | 11,622    | 4.0    | 460  | 22              | 12,301   | 470    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 679-     | 10-    |     |           |         |
| 1295409                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 32  | 5             | NDN-AI DAUGHTERS | 5                | 13,112    | 3.5    | 453  |                 |          |        |     |           |         |
|                         |   | 5             | WITH HERD-MATES  | 5                | 13,112    | 3.5    | 453  | 10              | 11,079   | 389    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 2033     | 64     |     |           |         |
| 1295495                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 21  | 5             | NDN-AI DAUGHTERS | 8                | 13,157    | 3.5    | 466  |                 |          |        |     |           |         |
|                         |   | 5             | WITH HERD-MATES  | 8                | 13,157    | 3.5    | 466  | 15              | 12,825   | 470    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 332      | 4-     |     |           |         |
| 1295522                 | PINEYHILL DDN JUAN.....                   |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| 04-14-56                | 010198998                                 | 3326003       | 246              | AI DAUGHTERS     | 328       | 12,533 | 3.8  | 480             |          |        |     |           |         |
| AI STUD,                | 22-03                                     | LISTED, 08-63 | 236              | WITH HERD-MATES  | 314       | 12,567 | 3.8  | 482             | 23       | 12,968 | 484 | 11,833    | 446     |
| STATES-                 | 21,22,23,51,52                            |               |                  |                  |           |        |      | DIFF.           | 401-     | 2-     |     |           |         |
|                         |   | 3             | NDN-AI DAUGHTERS | 3                | 13,103    | 3.7    | 490  |                 |          |        |     |           |         |
|                         |   | 3             | WITH HERD-MATES  | 3                | 13,103    | 3.7    | 490  | 51              | 12,746   | 472    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 357      | 18     |     |           |         |
| 1295523                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| AI STUD,                | 93-10                                     | 7             | NDN-AI DAUGHTERS | 7                | 15,250    | 4.0    | 614  |                 |          |        |     |           |         |
| STATES-                 | 21,23                                     | 7             | WITH HERD-MATES  | 7                | 15,250    | 4.0    | 614  | 20              | 14,636   | 533    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 614      | 81     |     |           |         |
| 1295545                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 23  | 8             | NDN-AI DAUGHTERS | 9                | 8,334     | 4.1    | 341  |                 |          |        |     |           |         |
|                         |   | 8             | WITH HERD-MATES  | 9                | 8,334     | 4.1    | 341  | 8               | 8,682    | 334    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 348-     | 7      |     |           |         |
| 1295570                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 35  | 6             | NDN-AI DAUGHTERS | 8                | 13,146    | 3.8    | 504  |                 |          |        |     |           |         |
|                         |   | 6             | WITH HERD-MATES  | 8                | 13,146    | 3.8    | 504  | 8               | 14,105   | 558    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 959-     | 54-    |     |           |         |
| 1295601                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 31  | 9             | NDN-AI DAUGHTERS | 9                | 12,707    | 3.4    | 429  |                 |          |        |     |           |         |
|                         |   | 9             | WITH HERD-MATES  | 9                | 12,707    | 3.4    | 429  | 27              | 12,749   | 420    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 42-      | 9      |     |           |         |
| 1295608                 | SUNNYSIDE REGAL LUCY.....                 |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| 08-02-56                | 901195                                    | 3093548       | 32               | AI DAUGHTERS     | 32        | 12,326 | 3.7  | 454             |          |        |     |           |         |
| AI STUD,                | 33-03                                     | LISTED, 08-63 | 31               | WITH HERD-MATES  | 31        | 12,317 | 3.7  | 455             | 13       | 12,468 | 465 | 12,050    | 438     |
| STATES-                 | 13,14,16,21,22,23,32,33,34,35,41,42,51,52 |               |                  |                  |           |        |      | DIFF.           | 151-     | 10-    |     |           |         |
|                         |   | 13            | NDN-AI DAUGHTERS | 13               | 14,317    | 3.5    | 508  |                 |          |        |     |           |         |
|                         |   | 11            | WITH HERD-MATES  | 11               | 14,123    | 3.5    | 499  | 10              | 13,831   | 480    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 292      | 19     |     |           |         |
| 1295637                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 21,22,31,34,63                            | 12            | NDN-AI DAUGHTERS | 13               | 13,262    | 3.6    | 478  |                 |          |        |     |           |         |
|                         |   | 12            | WITH HERD-MATES  | 13               | 13,262    | 3.6    | 478  | 20              | 12,462   | 454    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 800      | 24     |     |           |         |
| 1295652                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 33  | 7             | NDN-AI DAUGHTERS | 7                | 9,660     | 3.5    | 340  |                 |          |        |     |           |         |
|                         |   | 3             | WITH HERD-MATES  | 3                | 9,353     | 3.5    | 323  | 11              | 10,051   | 379    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 698-     | 56-    |     |           |         |
| 1295919                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 33  | 6             | NDN-AI DAUGHTERS | 6                | 13,433    | 3.5    | 465  |                 |          |        |     |           |         |
|                         |   | 6             | WITH HERD-MATES  | 6                | 13,433    | 3.5    | 465  | 11              | 12,568   | 454    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 865      | 11     |     |           |         |
| 1295939                 | .....                                     |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| STATES-                 | 34  | 11            | NDN-AI DAUGHTERS | 11               | 13,683    | 3.5    | 480  |                 |          |        |     |           |         |
|                         |   | 11            | WITH HERD-MATES  | 11               | 13,683    | 3.5    | 480  | 42              | 12,669   | 447    |     |           |         |
|                         |   |               |                  |                  |           |        |      | DIFF.           | 1014     | 33     |     |           |         |
| 1295940                 | BRIAR CREEK IMPERIAL PAUL.....            |               |                  |                  |           |        |      |                 |          |        |     |           |         |
| 10-01-56                | 956081                                    | 2744135       | 93               | AI DAUGHTERS     | 115       | 13,391 | 3.6  | 483             |          |        |     |           |         |
| AI STUD,                | 21-01                                     | LISTED, 08-63 | 88               | WITH HERD-MATES  | 108       | 13,476 | 3.6  | 484             | 18       | 13,607 | 490 | 12,149    | 443     |
| STATES-                 | 13,21,23,51                               |               |                  |                  |           |        |      | DIFF.           | 131-     | 6-     |     |           |         |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   |                     |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--|---------------------|-----|------------------------|---------------------|-------------------|
|  |                     |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|  |                     |     | NUMBER LB % LB         | NUMBER LB           | L8 L8             |
| 1295964 .....                                    | 7 NDN-AI DAUGHTERS  | 7   | 8,086 3.8 309          |                     |                   |
| STATES- 63                                       | 7 WITH HERD-MATES   | 7   | 8,086 3.8 309          | 32 DIFF.            | 7,772 288         |
|  |                     |     |                        |                     | 314 21            |
| 1296055 .....                                    | 9 NDN-AI DAUGHTERS  | 13  | 10,941 4.0 442         |                     |                   |
| STATES- 12                                       | 9 WITH HERD-MATES   | 13  | 10,941 4.0 442         | 38 DIFF.            | 11,779 456        |
|  |                     |     |                        |                     | 838- 14-          |
| 1296107 .....                                    | 6 NDN-AI DAUGHTERS  | 6   | 10,798 3.6 387         |                     |                   |
| STATES- 34                                       | 6 WITH HERD-MATES   | 6   | 10,798 3.6 387         | 17 DIFF.            | 11,307 417        |
|  |                     |     |                        |                     | 509- 30-          |
| 1296220 .....                                    | 7 NDN-AI DAUGHTERS  | 7   | 13,821 3.5 488         |                     |                   |
| STATES- 14,16                                    | 7 WITH HERD-MATES   | 7   | 13,821 3.5 488         | 17 DIFF.            | 13,224 477        |
|  |                     |     |                        |                     | 597 11            |
| 1296223 .....                                    | 6 NDN-AI DAUGHTERS  | 7   | 15,178 3.7 565         |                     |                   |
| STATES- 23,52                                    | 6 WITH HERD-MATES   | 7   | 15,178 3.7 565         | 13 DIFF.            | 12,399 456        |
|  |                     |     |                        |                     | 2779 109          |
| 1296224 .....                                    | 10 NDN-AI DAUGHTERS | 12  | 12,169 3.8 466         |                     |                   |
| STATES- 23                                       | 10 WITH HERD-MATES  | 12  | 12,169 3.8 466         | 17 DIFF.            | 13,046 505        |
|  |                     |     |                        |                     | 877- 39-          |
| 1296266 PA8ST SENTRY.....                        |                     |     |                        |                     |                   |
| 12-14-56 915940 3149303 66 AI DAUGHTERS          |                     | 73  | 13,034 3.7 483         |                     |                   |
| AI STUO, 33-02 LISTED, 08-63 65 WITH HERD-MATES  |                     | 71  | 13,114 3.7 484         | 15 DIFF.            | 12,607 459        |
| STATES- 33,63,64                                 |                     |     |                        |                     | 507 25            |
|  |                     |     |                        |                     | 12,600 466        |
| 1296273 .....                                    | 5 NDN-AI DAUGHTERS  | 5   | 14,210 3.3 476         |                     |                   |
| STATES- 73                                       | 1 WITH HERD-MATES   | 1   | 12,070 3.6 436         | 1 DIFF.             | 13,800 516        |
|  |                     |     |                        |                     | 1730- 80-         |
| 1296322 .....                                    | 8 NDN-AI DAUGHTERS  | 8   | 14,533 3.9 568         |                     |                   |
| STATES- 43                                       | 8 WITH HERD-MATES   | 8   | 14,533 3.9 568         | 6 DIFF.             | 13,469 488        |
|  |                     |     |                        |                     | 1064 80           |
| 1296349 .....                                    | 6 NDN-AI DAUGHTERS  | 7   | 15,908 3.9 625         |                     |                   |
| STATES- 35                                       | 5 WITH HERD-MATES   | 6   | 16,859 3.9 653         | 13 DIFF.            | 15,251 582        |
|  |                     |     |                        |                     | 1608 71           |
| 1296413 .....                                    | 7 NDN-AI DAUGHTERS  | 9   | 15,793 3.7 577         |                     |                   |
| STATES- 23                                       | 7 WITH HERD-MATES   | 9   | 15,793 3.7 577         | 13 DIFF.            | 15,060 585        |
|  |                     |     |                        |                     | 733 8-            |
| 1296490 .....                                    | 8 NDN-AI DAUGHTERS  | 8   | 13,293 3.9 513         |                     |                   |
| STATES- 21                                       | 8 WITH HERD-MATES   | 8   | 13,293 3.9 513         | 20 DIFF.            | 13,629 534        |
|  |                     |     |                        |                     | 336- 21-          |
| 1296491 .....                                    | 13 NDN-AI DAUGHTERS | 13  | 13,012 3.5 459         |                     |                   |
| STATES- 23                                       | 13 WITH HERD-MATES  | 13  | 13,012 3.5 459         | 28 DIFF.            | 12,612 479        |
|  |                     |     |                        |                     | 400 20-           |
| 1296538 .....                                    | 5 NDN-AI DAUGHTERS  | 5   | 13,802 3.8 522         |                     |                   |
| STATES- 21                                       | 5 WITH HERD-MATES   | 5   | 13,802 3.8 522         | 24 DIFF.            | 14,661 559        |
|  |                     |     |                        |                     | 859- 37-          |
| 1296576 FREEBAER ROYAL LANCER.....               |                     |     |                        |                     |                   |
| 01-05-57 010198998 3694555 10 NON-AI DAUGHTERS   |                     | 11  | 13,330 3.7 494         |                     |                   |
| AI STUO, 33-03 LISTED, 08-63 10 WITH HERD-MATES  |                     | 11  | 13,330 3.7 494         | 12 DIFF.            | 14,936 530        |
| STATES- 21,23                                    |                     |     |                        |                     | 1606- 36-         |
| 1296678 .....                                    | 7 NDN-AI DAUGHTERS  | 11  | 14,060 3.8 528         |                     |                   |
| STATES- 33                                       | 7 WITH HERD-MATES   | 11  | 14,060 3.8 528         | 13 DIFF.            | 12,726 490        |
|  |                     |     |                        |                     | 1334 38           |
| 1296698 .....                                    | 5 NDN-AI DAUGHTERS  | 5   | 13,640 3.6 487         |                     |                   |
| STATES- 34                                       | 5 WITH HERD-MATES   | 5   | 13,640 3.6 487         | 14 DIFF.            | 12,810 463        |
|  |                     |     |                        |                     | 830 24            |
| 1296714 .....                                    | 6 NDN-AI DAUGHTERS  | 6   | 10,998 3.7 412         |                     |                   |
| STATES- 48,84                                    | 6 WITH HERD-MATES   | 6   | 10,998 3.7 412         | 15 DIFF.            | 11,550 414        |
|  |                     |     |                        |                     | 552- 2-           |
| 1296729 RDSNI CONQUEROR KDRNDYKE FD8ES.....      |                     |     |                        |                     |                   |
| 11-06-56 860768 3632376 120 AI DAUGHTERS         |                     | 143 | 14,362 3.6 510         |                     |                   |
| AI STUO, 23-02 LISTED, 08-63 119 WITH HERD-MATES |                     | 140 | 14,431 3.5 512         | 14 DIFF.            | 13,407 494        |
| STATES- 23,55                                    |                     |     |                        |                     | 1024 18           |
|  | 1 NON-AI DAUGHTERS  | 1   | 13,830 4.1 569         |                     |                   |
|  | 1 WITH HERD-MATES   | 1   | 13,830 4.1 569         | 14 DIFF.            | 11,820 418        |
|  |                     |     |                        |                     | 2010 151          |
| 1296761 .....                                    | 5 NDN-AI DAUGHTERS  | 11  | 14,639 3.7 535         |                     |                   |
| STATES- 23,57                                    | 5 WITH HERD-MATES   | 11  | 14,639 3.7 535         | 10 DIFF.            | 13,763 511        |
|  |                     |     |                        |                     | 876 24            |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN  |                                   |                     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. MILK        | AV. FAT  | PREDICTED AV. |
|---|-----------------------------------|---------------------|------------------------|---------------------|-----------------|----------|---------------|
|   |                                   |                     | RECORDS MILK TEST FAT  | NUMBER L8 L8 L8     | NUMBER L8 L8 L8 | L8 L8 L8 | L8 L8 L8      |
| 1296818   | .....                             | 6 NON-AI DAUGHTERS  | 7 11,378 3.7 426       |                     |                 |          |               |
| STATES- 21  |                                   | 6 WITH HERD-MATES   | 7 11,378 3.7 426       | 17 DIFF.            | 11,123 255      | 401 25   |               |
| 1296902   | HILL TOP HAVEN ILLINI TY-VIC..... | 298 AI DAUGHTERS    | 391 12,574 3.9 494     |                     |                 |          |               |
| 01-15-57 923749 3236920                                       |                                   | 294 WITH HERD-MATES | 386 12,585 3.9 494     | 19 DIFF.            | 13,622 1037-    | 494      | 11,283 449    |
| AI STUD, 21-01 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 13,14,21,23   |                                   | 1 NON-AI DAUGHTERS  | 1 13,440 3.7 493       | 7 DIFF.             | 14,482 1042-    | 533 40-  |               |
|   |                                   | 1 WITH HERD-MATES   | 1 13,440 3.7 493       |                     |                 |          |               |
| 1296932   | .....                             | 5 NON-AI DAUGHTERS  | 8 15,039 4.3 640       |                     |                 |          |               |
| STATES- 50  |                                   | 5 WITH HERD-MATES   | 8 15,039 4.3 640       | 20 DIFF.            | 13,086 1953     | 511 129  |               |
| 1296956   | .....                             | 6 NON-AI DAUGHTERS  | 9 13,429 3.8 510       |                     |                 |          |               |
| STATES- 23  |                                   | 5 WITH HERD-MATES   | 6 13,726 3.9 530       | 16 DIFF.            | 13,800 74-      | 516 14   |               |
| 1297075   | HALLCREST FOLLOW ON LEADER.....   | 15 NON-AI DAUGHTERS | 19 12,085 3.8 457      |                     |                 |          |               |
| 02-20-57 1142734 2681572                                      |                                   | 14 WITH HERD-MATES  | 18 12,168 3.8 459      | 15 DIFF.            | 12,643 475-     | 461 2-   |               |
| AI STUD, 63-01 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 21  |                                   |                     |                        |                     |                 |          |               |
| 1297090   | OAK DELL GOMAR DICTATOR.....      | 19 AI DAUGHTERS     | 22 12,807 4.0 518      |                     |                 |          |               |
| 03-14-56 1111083 3047893                                      |                                   | 19 WITH HERD-MATES  | 22 12,807 4.0 518      | 18 DIFF.            | 13,944 1137-    | 520 2-   | 11,552 448    |
| AI STUD, 32-02 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 32,33   |                                   |                     |                        |                     |                 |          |               |
| 1297098   | .....                             | 10 NON-AI DAUGHTERS | 10 12,959 3.8 486      |                     |                 |          |               |
| STATES- 21  |                                   | 10 WITH HERD-MATES  | 10 12,959 3.8 486      | 16 DIFF.            | 14,944 1985-    | 549 63-  |               |
| 1297128   | .....                             | 6 NON-AI DAUGHTERS  | 6 15,110 3.9 584       |                     |                 |          |               |
| STATES- 23  |                                   | 6 WITH HERD-MATES   | 6 15,110 3.9 584       | 21 DIFF.            | 15,275 165-     | 574 10   |               |
| 1297169   | RAVENGLEN REX TRIUNE.....         | 21 NON-AI DAUGHTERS | 28 14,028 3.7 514      |                     |                 |          |               |
| 02-01-57 915940 3122167                                       |                                   | 21 WITH HERD-MATES  | 28 14,028 3.7 514      | 16 DIFF.            | 13,693 335      | 499 15   |               |
| AI STUD, 31-02 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 33,34,35,41,42,52                                     |                                   |                     |                        |                     |                 |          |               |
| 1297178   | ATHLONE ADMIRAL BEGET.....        | 58 AI DAUGHTERS     | 58 12,157 3.7 450      |                     |                 |          |               |
| 02-20-57 1210078 3499457                                      |                                   | 57 WITH HERD-MATES  | 57 12,132 3.7 449      | 16 DIFF.            | 12,652 520-     | 463 14-  | 11,751 434    |
| AI STUD, 33-03 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 13,14,16,21,22,23,31,32,33,34,35,41,42,47,48,51,87,92 |                                   | 2 NON-AI DAUGHTERS  | 2 13,320 4.3 570       | 11 DIFF.            | 15,144 1824-    | 561 9    |               |
|   |                                   | 2 WITH HERD-MATES   | 2 13,320 4.3 570       |                     |                 |          |               |
| 1297296   | VERNWAY LEADER SCOTT.....         | 86 AI DAUGHTERS     | 106 12,910 3.7 472     |                     |                 |          |               |
| 07-11-55 955524 3206996                                       |                                   | 80 WITH HERD-MATES  | 97 12,946 3.7 476      | 22 DIFF.            | 13,331 385-     | 486 10-  | 11,907 439    |
| AI STUD, 92-01 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 91,92   |                                   | 3 NON-AI DAUGHTERS  | 5 10,026 3.7 375       | 11 DIFF.            | 11,654 1628-    | 423 48-  |               |
|   |                                   | 3 WITH HERD-MATES   | 5 10,026 3.7 375       |                     |                 |          |               |
| 1297306   | .....                             | 6 NON-AI DAUGHTERS  | 6 14,927 3.4 514       |                     |                 |          |               |
| STATES- 92  |                                   | 6 WITH HERD-MATES   | 6 14,927 3.4 514       | 6 DIFF.             | 13,957 970      | 494 20   |               |
| 1297340   | .....                             | 7 NON-AI DAUGHTERS  | 7 15,254 3.5 530       |                     |                 |          |               |
| STATES- 41  |                                   | 7 WITH HERD-MATES   | 7 15,254 3.5 530       | 15 DIFF.            | 13,238 2016     | 489 41   |               |
| 1297350   | .....                             | 7 NON-AI DAUGHTERS  | 9 13,374 3.5 474       |                     |                 |          |               |
| STATES- 35  |                                   | 7 WITH HERD-MATES   | 9 13,374 3.5 474       | 9 DIFF.             | 13,756 382-     | 487 13-  |               |
| 1297363   | .....                             | 7 NON-AI DAUGHTERS  | 9 11,574 3.8 441       |                     |                 |          |               |
| STATES- 21  |                                   | 7 WITH HERD-MATES   | 9 11,574 3.8 441       | 28 DIFF.            | 12,850 1276-    | 471 30-  |               |
| 1297401   | SHADY MEADOW SHANGHAI ORMSBY..... | 12 NON-AI DAUGHTERS | 15 13,897 3.7 511      |                     |                 |          |               |
| 02-08-57 1090258 3671396                                      |                                   | 12 WITH HERD-MATES  | 15 13,897 3.7 511      | 7 DIFF.             | 12,601 1296     | 459 52   |               |
| AI STUD, 55-01 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 31,32   |                                   |                     |                        |                     |                 |          |               |
| 1297420   | TEXAL RICH-HERD JOLLY.....        | 28 NON-AI DAUGHTERS | 63 16,299 3.3 543      |                     |                 |          |               |
| 01-03-54 010160321 010839294                                  |                                   | 28 WITH HERD-MATES  | 63 16,299 3.3 543      | 9 DIFF.             | 14,160 2139     | 483 60   |               |
| AI STUD, 42-02 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 81,84,87  |                                   |                     |                        |                     |                 |          |               |
| 1297445   | PIPER VIEW WIS LEADER.....        | 7 NON-AI DAUGHTERS  | 10 13,825 3.6 496      |                     |                 |          |               |
| 10-26-56 915940 2574368                                       |                                   | 7 WITH HERD-MATES   | 10 13,825 3.6 496      | 14 DIFF.            | 12,996 829      | 469 27   |               |
| AI STUD, 35-04 LISTED, 08-63                                  |                                   |                     |                        |                     |                 |          |               |
| STATES- 35  |                                   |                     |                        |                     |                 |          |               |
| 1297446   | .....                             | 5 NON-AI DAUGHTERS  | 5 12,254 3.7 450       |                     |                 |          |               |
| STATES- 35  |                                   | 5 WITH HERD-MATES   | 5 12,254 3.7 450       | 8 DIFF.             | 12,808 554-     | 441 9    |               |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  |                     |     | AV. PRODUCTION OF | RECORDS | MILK | TEST  | FAT    | AOJ. | HERO-MATES | AV.    | PREDICTED AV. |
|---|---------------------|-----|-------------------|---------|------|-------|--------|------|------------|--------|---------------|
|   |                     |     | NUMBER            | LB      | %    | LB    | NUMBER | LB   | FAT        | LB     | FAT           |
| 1297503   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 52  | 6 NON-AI DAUGHTERS  | 8   | 13,827            | 3.7     | 517  |       |        |      |            |        |               |
|   | 6 WITH HERD-MATES   | 8   | 13,827            | 3.7     | 517  | 14    | 11,328 | 424  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 2499   | 93   |            |        |               |
| 1297530   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 34  | 8 NON-AI DAUGHTERS  | 8   | 10,166            | 3.9     | 401  |       |        |      |            |        |               |
|   | 8 WITH HERD-MATES   | 8   | 10,166            | 3.9     | 401  | 14    | 11,161 | 421  |            |        |               |
|   |                     |     |                   |         |      | DIFF. | 995-   | 20-  |            |        |               |
| 1297665   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 21  | 10 NON-AI DAUGHTERS | 12  | 13,595            | 4.1     | 551  |       |        |      |            |        |               |
|   | 10 WITH HERD-MATES  | 12  | 13,595            | 4.1     | 551  | 29    | 14,372 | 530  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 777-   | 21   |            |        |               |
| 1297737   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 34  | 5 NON-AI DAUGHTERS  | 5   | 9,550             | 3.6     | 343  |       |        |      |            |        |               |
|   | 5 WITH HERD-MATES   | 5   | 9,550             | 3.6     | 343  | 7     | 11,976 | 408  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 2426-  | 65-  |            |        |               |
| 1297770   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 22,23   | 5 NON-AI DAUGHTERS  | 5   | 10,448            | 3.6     | 376  |       |        |      |            |        |               |
|   | 5 WITH HERD-MATES   | 5   | 10,448            | 3.6     | 376  | 13    | 11,406 | 423  |            |        |               |
|   |                     |     |                   |         |      | DIFF. | 958-   | 47-  |            |        |               |
| 1297804   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 11  | 5 NON-AI DAUGHTERS  | 6   | 13,164            | 3.7     | 487  |       |        |      |            |        |               |
|   | 5 WITH HERD-MATES   | 6   | 13,164            | 3.7     | 487  | 14    | 13,389 | 495  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 225-   | 8-   |            |        |               |
| 1297878   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 21  | 5 NON-AI DAUGHTERS  | 5   | 13,482            | 3.7     | 502  |       |        |      |            |        |               |
|   | 5 WITH HERD-MATES   | 5   | 13,482            | 3.7     | 502  | 23    | 14,813 | 531  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 1331-  | 29-  |            |        |               |
| 1297901   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 11  | 7 NON-AI DAUGHTERS  | 8   | 14,866            | 3.5     | 522  |       |        |      |            |        |               |
|   | 7 WITH HERD-MATES   | 8   | 14,866            | 3.5     | 522  | 17    | 14,814 | 566  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 52     | 44-  |            |        |               |
| 1297920   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 35,41,46  | 6 NON-AI DAUGHTERS  | 7   | 11,763            | 4.2     | 498  |       |        |      |            |        |               |
|   | 6 WITH HERD-MATES   | 7   | 11,763            | 4.2     | 498  | 12    | 13,314 | 512  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 1551-  | 14-  |            |        |               |
| 1298105   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 23  | 6 NON-AI DAUGHTERS  | 7   | 14,897            | 3.5     | 523  |       |        |      |            |        |               |
|   | 6 WITH HERD-MATES   | 7   | 14,897            | 3.5     | 523  | 15    | 14,280 | 516  |            |        |               |
|   |                     |     |                   |         |      | DIFF. | 617    | 7    |            |        |               |
| 1298116   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 14  | 6 NON-AI DAUGHTERS  | 10  | 13,075            | 3.4     | 450  |       |        |      |            |        |               |
|   | 6 WITH HERD-MATES   | 9   | 13,168            | 3.4     | 451  | 20    | 14,124 | 479  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 956-   | 28-  |            |        |               |
| 1298197 WILLMIL A. 8. R. ROXANNA DUKE - TWIN.....   |                     |     |                   |         |      |       |        |      |            |        |               |
| 09-14-56 1080990 2950808  | 133 AI DAUGHTERS    | 166 | 14,115            | 3.6     | 511  |       |        |      |            |        |               |
| AI STUO, 22-03 LISTED, 08-63  | 133 WITH HERD-MATES | 166 | 14,115            | 3.6     | 511  | 25    | 12,919 | 480  |            | 13,294 | 476           |
| STATES- 21,22,23,51   |                     |     |                   |         |      | OIFF. | 1196   | 31   |            |        |               |
|   | 4 NON-AI DAUGHTERS  | 8   | 16,224            | 3.5     | 560  |       |        |      |            |        |               |
|   | 4 WITH HERD-MATES   | 7   | 15,829            | 3.5     | 553  | 19    | 15,116 | 577  |            |        |               |
|   |                     |     |                   |         |      | DIFF. | 713    | 24-  |            |        |               |
| 1298266 IOA-ROYAL HAZLEWOOD MAGICIAN.....   |                     |     |                   |         |      |       |        |      |            |        |               |
| 12-04-56 1223970 3413920  | 13 NON-AI DAUGHTERS | 15  | 15,671            | 3.7     | 586  |       |        |      |            |        |               |
| AI STUO, 87-01 LISTED, 08-63  | 13 WITH HERD-MATES  | 15  | 15,671            | 3.7     | 586  | 10    | 14,507 | 544  |            |        |               |
| STATES- 82  |                     |     |                   |         |      | OIFF. | 1164   | 42   |            |        |               |
| 1298288   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 41  | 6 NON-AI DAUGHTERS  | 6   | 11,613            | 4.0     | 464  |       |        |      |            |        |               |
|   | 6 WITH HERD-MATES   | 6   | 11,613            | 4.0     | 464  | 18    | 11,154 | 442  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 459    | 22   |            |        |               |
| 1298377   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 21  | 6 NON-AI DAUGHTERS  | 7   | 14,038            | 3.6     | 501  |       |        |      |            |        |               |
|   | 6 WITH HERD-MATES   | 7   | 14,038            | 3.6     | 501  | 25    | 13,800 | 501  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 238    |      |            |        |               |
| 1298389   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 32  | 12 NON-AI DAUGHTERS | 12  | 13,925            | 3.6     | 498  |       |        |      |            |        |               |
|   | 8 WITH HERD-MATES   | 8   | 13,198            | 3.6     | 473  | 5     | 12,624 | 464  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 574    | 9    |            |        |               |
| 1298430 W00080URNE INKA REFLECTOR.....  |                     |     |                   |         |      |       |        |      |            |        |               |
| 01-04-57 010198998 2734741  | 594 AI DAUGHTERS    | 714 | 13,858            | 3.7     | 517  |       |        |      |            |        |               |
| AI STUO, 23-04 LISTED, 08-63  | 590 WITH HERD-MATES | 709 | 13,871            | 3.7     | 518  | 19    | 14,223 | 531  |            | 11,995 | 440           |
| STATES- 13,14,16,21,22,23,31,32,33,34,35,41,42,45,46,48,51,52,54,55,56,58,61,74,82,84,87,93 |                     |     |                   |         |      | OIFF. | 352-   | 13-  |            |        |               |
| 1298442 GENERAL STONETOWN RAG APPLE.....  |                     |     |                   |         |      |       |        |      |            |        |               |
| 06-01-50 010211378 3863039  | 284 AI DAUGHTERS    | 394 | 12,408            | 4.0     | 491  |       |        |      |            |        |               |
| AI STUO, 33-01 LISTED, 08-63  | 280 WITH HERD-MATES | 387 | 12,390            | 4.0     | 490  | 16    | 12,886 | 487  |            | 11,735 | 451           |
| STATES- 33,35,54,56   |                     |     |                   |         |      | OIFF. | 496-   | 3    |            |        |               |
|   | 4 NON-AI DAUGHTERS  | 7   | 12,104            | 3.7     | 452  |       |        |      |            |        |               |
|   | 4 WITH HERD-MATES   | 7   | 12,104            | 3.7     | 452  | 9     | 12,835 | 468  |            |        |               |
|   |                     |     |                   |         |      | DIFF. | 731-   | 16-  |            |        |               |
| 1298520   | .....               |     |                   |         |      |       |        |      |            |        |               |
| STATES- 12  | 6 NON-AI DAUGHTERS  | 8   | 11,163            | 4.1     | 457  |       |        |      |            |        |               |
|   | 6 WITH HERD-MATES   | 8   | 11,163            | 4.1     | 457  | 17    | 12,266 | 475  |            |        |               |
|   |                     |     |                   |         |      | OIFF. | 1103-  | 18-  |            |        |               |

| SIRES OF DHIA DAUGHTERS                   |    |                  |  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|----|------------------|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN                                  |    |                  |  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1298603 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 41                                | 5  | NDN-AI DAUGHTERS |  | 5                      | 17,010     | 3.6       | 615       |                     |            |           |               |           |
|   | 5  | WITH HERD-MATES  |  | 5                      | 17,010     | 3.6       | 615       | 12                  | 13,996     | 521       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 3014       | 94        |               |           |
| 1298604 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                | 9  | NDN-AI DAUGHTERS |  | 10                     | 10,679     | 3.6       | 384       |                     |            |           |               |           |
|   | 9  | WITH HERD-MATES  |  | 10                     | 10,679     | 3.6       | 384       | 10                  | 11,110     | 413       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 431-       | 29-       |               |           |
| 1298637 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 84                                | 7  | NDN-AI DAUGHTERS |  | 10                     | 11,831     | 3.7       | 432       |                     |            |           |               |           |
|   | 7  | WITH HERD-MATES  |  | 10                     | 11,831     | 3.7       | 432       | 7                   | 12,156     | 452       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 325-       | 20-       |               |           |
| 1298715 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                                | 13 | NDN-AI DAUGHTERS |  | 13                     | 10,341     | 3.7       | 383       |                     |            |           |               |           |
|   | 13 | WITH HERD-MATES  |  | 13                     | 10,341     | 3.7       | 383       | 41                  | 11,136     | 413       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 795-       | 30-       |               |           |
| 1298729 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 57                                | 5  | NDN-AI DAUGHTERS |  | 5                      | 14,470     | 3.7       | 536       |                     |            |           |               |           |
|   | 5  | WITH HERD-MATES  |  | 5                      | 14,470     | 3.7       | 536       | 31                  | 12,035     | 433       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 2435       | 103       |               |           |
| 1298793 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 82                                | 6  | NDN-AI DAUGHTERS |  | 6                      | 18,565     | 3.7       | 682       |                     |            |           |               |           |
|   | 6  | WITH HERD-MATES  |  | 6                      | 18,565     | 3.7       | 682       | 3                   | 15,248     | 570       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 3317       | 112       |               |           |
| 1298831 METCALFS SOVEREIGN REFLECTOR..... |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| 11-22-56 010198998 3994409                | 13 | NDN-AI DAUGHTERS |  | 26                     | 16,750     | 3.8       | 643       |                     |            |           |               |           |
| AI STU0, 31-01 LISTED, 08-63              | 13 | WITH HERD-MATES  |  | 26                     | 16,750     | 3.8       | 643       | 11                  | 15,235     | 631       |               |           |
| STATES- 13,23                             |    |                  |  |                        |            |           |           | DIFF.               | 1515       | 12        |               |           |
| 1298837 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 35,41                             | 5  | NON-AI DAUGHTERS |  | 5                      | 11,696     | 3.4       | 399       |                     |            |           |               |           |
|   | 5  | WITH HERD-MATES  |  | 5                      | 11,696     | 3.4       | 399       | 13                  | 11,011     | 406       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 685        | 7-        |               |           |
| 1298858 TALLCORN PABST LEADER.....        |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| 01-04-56 915940 3308338                   | 42 | AI DAUGHTERS     |  | 42                     | 12,768     | 3.8       | 479       |                     |            |           |               |           |
| AI STU0, 35-04 LISTED, 08-63              | 41 | WITH HERD-MATES  |  | 41                     | 12,757     | 3.8       | 479       | 13                  | 12,972     | 475       |               |           |
| STATES- 23,35,42,47,51,61                 |    |                  |  |                        |            |           |           | DIFF.               | 215-       | 4         | 12,034        | 449       |
|   | 9  | NON-AI DAUGHTERS |  | 11                     | 13,083     | 3.8       | 503       |                     |            |           |               |           |
|   | 9  | WITH HERD-MATES  |  | 11                     | 13,083     | 3.8       | 503       | 14                  | 14,003     | 501       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 920-       | 2         |               |           |
| 1298877 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 57                                | 7  | NDN-AI DAUGHTERS |  | 9                      | 12,551     | 3.4       | 432       |                     |            |           |               |           |
|   | 7  | WITH HERD-MATES  |  | 9                      | 12,551     | 3.4       | 432       | 41                  | 12,490     | 435       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 61         | 3-        |               |           |
| 1298896 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                                | 8  | NDN-AI DAUGHTERS |  | 8                      | 9,961      | 3.7       | 365       |                     |            |           |               |           |
|   | 8  | WITH HERD-MATES  |  | 8                      | 9,961      | 3.7       | 365       | 22                  | 11,556     | 394       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 1595-      | 29-       |               |           |
| 1298953 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 35                                | 5  | NDN-AI DAUGHTERS |  | 7                      | 9,263      | 4.0       | 368       |                     |            |           |               |           |
|   | 5  | WITH HERD-MATES  |  | 7                      | 9,263      | 4.0       | 368       | 14                  | 11,045     | 396       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 1782-      | 28-       |               |           |
| 1299019 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                | 10 | NDN-AI DAUGHTERS |  | 10                     | 12,637     | 3.9       | 495       |                     |            |           |               |           |
|   | 10 | WITH HERD-MATES  |  | 10                     | 12,637     | 3.9       | 495       | 23                  | 12,792     | 463       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 155-       | 32        |               |           |
| 1299126 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 48                                | 14 | NDN-AI DAUGHTERS |  | 14                     | 9,416      | 3.7       | 349       |                     |            |           |               |           |
|   | 14 | WITH HERD-MATES  |  | 14                     | 9,416      | 3.7       | 349       | 2                   | 10,538     | 387       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 1122-      | 38-       |               |           |
| 1299128 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 35                                | 5  | NON-AI DAUGHTERS |  | 5                      | 10,336     | 3.8       | 389       |                     |            |           |               |           |
|   | 5  | WITH HERD-MATES  |  | 5                      | 10,336     | 3.8       | 389       | 11                  | 13,127     | 466       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 2791-      | 77-       |               |           |
| 1299238 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 93                                | 12 | NDN-AI DAUGHTERS |  | 12                     | 14,782     | 3.5       | 522       |                     |            |           |               |           |
|   | 12 | WITH HERD-MATES  |  | 12                     | 14,782     | 3.5       | 522       | 35                  | 14,596     | 518       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 186        | 4         |               |           |
| 1299328 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 13                                | 5  | NDN-AI DAUGHTERS |  | 6                      | 11,719     | 3.9       | 461       |                     |            |           |               |           |
|   | 4  | WITH HERD-MATES  |  | 5                      | 11,724     | 3.9       | 453       | 10                  | 12,811     | 477       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 1087-      | 24-       |               |           |
| 1299400 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 35                                | 14 | NON-AI DAUGHTERS |  | 14                     | 13,144     | 3.6       | 469       |                     |            |           |               |           |
|   | 14 | WITH HERD-MATES  |  | 14                     | 13,144     | 3.6       | 469       | 9                   | 11,252     | 428       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 1892       | 41        |               |           |
| 1299488 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                                | 14 | NDN-AI DAUGHTERS |  | 14                     | 14,038     | 3.7       | 519       |                     |            |           |               |           |
|   | 14 | WITH HERD-MATES  |  | 14                     | 14,038     | 3.7       | 519       | 21                  | 12,894     | 494       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 1144       | 25        |               |           |
| 1299515 .....                             |    |                  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 33                                | 11 | NDN-AI DAUGHTERS |  | 11                     | 12,149     | 4.0       | 484       |                     |            |           |               |           |
|   | 11 | WITH HERD-MATES  |  | 11                     | 12,149     | 4.0       | 484       | 47                  | 12,322     | 481       |               |           |
|   |    |                  |  |                        |            |           |           | DIFF.               | 173-       | 3         |               |           |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                           | AV. PRODUCTION OF |                  |      |        | ADJ. HERO-MATES AV. |      |       |        | PREOICTED AV. |        |
|------------------------------------|-------------------|------------------|------|--------|---------------------|------|-------|--------|---------------|--------|
|                                    | RECORDS           | MILK             | TEST | FAT    | AV.                 | MILK | FAT   | MILK   | FAT           |        |
|                                    | NUMBER            | L8               | %    | L8     | NUMBER              | L8   | L8    | L8     | L8            |        |
| 1299532 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 55,56                      | 6                 | NON-AI DAUGHTERS | 8    | 11,535 | 4.1                 | 476  |       |        |               |        |
|                                    | 6                 | WITH HERD-MATES  | 8    | 11,535 | 4.1                 | 476  | 14    | 13,521 | 487           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 1986-  | 11-           |        |
| 1299542 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 23                         | 7                 | NON-AI DAUGHTERS | 8    | 14,086 | 3.8                 | 541  |       |        |               |        |
|                                    | 7                 | WITH HERD-MATES  | 8    | 14,086 | 3.8                 | 541  | 16    | 13,143 | 487           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 943    | 54            |        |
| 1299545 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 23                         | 5                 | NON-AI DAUGHTERS | 6    | 12,870 | 4.2                 | 539  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 6    | 12,870 | 4.2                 | 539  | 9     | 12,066 | 471           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 804    | 68            |        |
| 1299575 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 31                         | 5                 | NON-AI DAUGHTERS | 5    | 13,916 | 3.8                 | 526  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 5    | 13,916 | 3.8                 | 526  | 9     | 11,799 | 491           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 2117   | 35            |        |
| 1299581 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 21,23                      | 5                 | NON-AI DAUGHTERS | 7    | 14,485 | 4.0                 | 580  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 7    | 14,485 | 4.0                 | 580  | 10    | 15,162 | 559           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 677-   | 21            |        |
| 1299590 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 12                         | 8                 | NON-AI DAUGHTERS | 8    | 11,043 | 3.9                 | 433  |       |        |               |        |
|                                    | 7                 | WITH HERD-MATES  | 7    | 11,103 | 3.9                 | 430  | 22    | 11,327 | 424           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 224-   | 6             |        |
| 1299644 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 14                         | 5                 | NON-AI DAUGHTERS | 6    | 13,203 | 3.8                 | 501  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 6    | 13,203 | 3.8                 | 501  | 8     | 14,502 | 570           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 1299-  | 69-           |        |
| 1299692 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 21                         | 6                 | NON-AI DAUGHTERS | 8    | 13,993 | 4.1                 | 569  |       |        |               |        |
|                                    | 6                 | WITH HERD-MATES  | 8    | 13,993 | 4.1                 | 569  | 8     | 14,334 | 545           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 341-   | 24            |        |
| 1299701 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 34                         | 5                 | NON-AI DAUGHTERS | 6    | 12,205 | 3.4                 | 418  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 6    | 12,205 | 3.4                 | 418  | 296   | 11,752 | 419           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 453    | 1-            |        |
| 1299751 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 41                         | 7                 | NON-AI DAUGHTERS | 9    | 10,706 | 3.9                 | 419  |       |        |               |        |
|                                    | 7                 | WITH HERD-MATES  | 9    | 10,706 | 3.9                 | 419  | 5     | 11,521 | 401           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 815-   | 18            |        |
| 1299789 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 34                         | 7                 | NON-AI DAUGHTERS | 9    | 13,089 | 3.4                 | 443  |       |        |               |        |
|                                    | 7                 | WITH HERD-MATES  | 9    | 13,089 | 3.4                 | 443  | 11    | 12,596 | 434           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 493    | 9             |        |
| 1299792 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 34                         | 6                 | NON-AI DAUGHTERS | 6    | 13,490 | 3.7                 | 500  |       |        |               |        |
|                                    | 6                 | WITH HERD-MATES  | 6    | 13,490 | 3.7                 | 500  | 9     | 12,364 | 445           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 1126   | 55            |        |
| 1299828 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 23                         | 5                 | NON-AI DAUGHTERS | 7    | 12,766 | 3.9                 | 495  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 6    | 12,105 | 3.8                 | 462  | 12    | 14,462 | 547           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 2357-  | 85-           |        |
| 1299849 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 46                         | 5                 | NON-AI DAUGHTERS | 6    | 17,121 | 3.7                 | 635  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 6    | 17,121 | 3.7                 | 635  | 4     | 13,042 | 472           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 4079   | 163           |        |
| 1299889 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 41                         | 7                 | NON-AI DAUGHTERS | 7    | 15,493 | 3.7                 | 570  |       |        |               |        |
|                                    | 7                 | WITH HERD-MATES  | 7    | 15,493 | 3.7                 | 570  | 12    | 12,467 | 461           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 3026   | 109           |        |
| 1299956 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 42                         | 6                 | NON-AI DAUGHTERS | 9    | 14,108 | 3.7                 | 519  |       |        |               |        |
|                                    | 6                 | WITH HERD-MATES  | 9    | 14,108 | 3.7                 | 519  | 7     | 13,216 | 473           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 892    | 46            |        |
| 1300004 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 34                         | 5                 | NON-AI DAUGHTERS | 9    | 11,389 | 3.4                 | 385  |       |        |               |        |
|                                    | 5                 | WITH HERD-MATES  | 9    | 11,389 | 3.4                 | 385  | 9     | 12,019 | 440           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 630-   | 55-           |        |
| 1300005 .....                      |                   |                  |      |        |                     |      |       |        |               |        |
| STATES- 34                         | 7                 | NON-AI DAUGHTERS | 8    | 14,073 | 3.6                 | 502  |       |        |               |        |
|                                    | 7                 | WITH HERD-MATES  | 8    | 14,073 | 3.6                 | 502  | 8     | 14,470 | 504           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 397-   | 2-            |        |
| 1300012 TIOY BURKE IRON LIEGE..... |                   |                  |      |        |                     |      |       |        |               |        |
| 01-02-57 1196645 3825990           | 31                | NON-AI DAUGHTERS | 38   | 17,393 | 3.5                 | 601  |       |        |               |        |
| AI STUD, 41-25 LISTED, 08-63       | 31                | WITH HERD-MATES  | 38   | 17,393 | 3.5                 | 601  | 20    | 16,130 | 577           |        |
| STATES- 47                         |                   |                  |      |        |                     |      | DIFF. | 1263   | 24            |        |
| 1300014 TIOY BURKE JERRY.....      |                   |                  |      |        |                     |      |       |        |               |        |
| 01-21-57 1196645 3883576           | 545               | AI DAUGHTERS     | 693  | 14,099 | 3.6                 | 512  |       |        |               |        |
| AI STUD, 23-05 LISTED, 08-63       | 542               | WITH HERD-MATES  | 687  | 14,113 | 3.6                 | 512  | 14    | 13,253 | 501           | 13,078 |
| STATES- 21,23,54,57                |                   |                  |      |        |                     |      | DIFF. | 860    | 11            | 460    |
|                                    | 1                 | NON-AI DAUGHTERS | 1    | 12,910 | 3.5                 | 456  |       |        |               |        |
|                                    | 1                 | WITH HERD-MATES  | 1    | 12,910 | 3.5                 | 456  | 7     | 13,228 | 494           |        |
|                                    |                   |                  |      |        |                     |      | DIFF. | 318-   | 38-           |        |



| SIRE OF DAUGHTERS                                |  |  |  | AV. RECORDS | PRODUCTION OF MILK LBS | TEST % | DAU. FAT LBS | ADJ. AV. NUMBER | HERD-MATES MILK LBS | AV. FAT LBS | PREDICTED MILK LBS | AV. FAT LBS |
|--|--|--|--|-------------|------------------------|--------|--------------|-----------------|---------------------|-------------|--------------------|-------------|
| HOLSTEIN   |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 1300091 HOWACRES HOMESTEAD FAYNE.....            |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 01-14-57 1038118 2652942 60 AI DAUGHTERS         |  |  |  | 69          | 12,530                 | 3.9    | 488          |                 |                     |             |                    |             |
| AI STUO, 12-03 LISTED, 08-63 60 WITH HERD-MATES  |  |  |  | 69          | 12,530                 | 3.9    | 488          | 19              | 12,974              | 497         | 11,836             | 441         |
| STATES- 12,13,14                                 |  |  |  |             |                        |        |              | OIFF.           | 444-                | 9-          |                    |             |
| 1300156 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 7           | 14,038                 | 3.8    | 527          |                 |                     |             |                    |             |
| STATES- 23 6 WITH HERD-MATES                     |  |  |  | 7           | 14,038                 | 3.8    | 527          | 4               | 12,613              | 466         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 1425                | 61          |                    |             |
| 1300159 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 7 NON-AI DAUGHTERS                               |  |  |  | 8           | 11,409                 | 3.6    | 416          |                 |                     |             |                    |             |
| STATES- 21,23,31,34,58 7 WITH HERD-MATES         |  |  |  | 8           | 11,409                 | 3.6    | 416          | 16              | 12,691              | 459         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 1282-               | 43-         |                    |             |
| 1300184 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 8           | 10,838                 | 3.3    | 358          |                 |                     |             |                    |             |
| STATES- 34 6 WITH HERD-MATES                     |  |  |  | 8           | 10,838                 | 3.3    | 358          | 8               | 11,113              | 370         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 275-                | 12-         |                    |             |
| 1300196 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 7           | 11,320                 | 4.0    | 450          |                 |                     |             |                    |             |
| STATES- 52 6 WITH HERD-MATES                     |  |  |  | 7           | 11,320                 | 4.0    | 450          | 18              | 12,661              | 482         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 1341-               | 32-         |                    |             |
| 1300197 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 7           | 12,169                 | 3.8    | 463          |                 |                     |             |                    |             |
| STATES- 52 6 WITH HERD-MATES                     |  |  |  | 7           | 12,169                 | 3.8    | 463          | 15              | 12,534              | 492         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 365-                | 29-         |                    |             |
| 1300223 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 7           | 13,959                 | 3.6    | 502          |                 |                     |             |                    |             |
| STATES- 61 6 WITH HERD-MATES                     |  |  |  | 7           | 13,959                 | 3.6    | 502          | 19              | 13,077              | 461         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 882                 | 41          |                    |             |
| 1300225 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 5 NON-AI DAUGHTERS                               |  |  |  | 5           | 10,490                 | 3.8    | 399          |                 |                     |             |                    |             |
| STATES- 32 5 WITH HERD-MATES                     |  |  |  | 5           | 10,490                 | 3.8    | 399          | 21              | 11,571              | 438         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 1081-               | 39-         |                    |             |
| 1300262 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 9 NON-AI DAUGHTERS                               |  |  |  | 9           | 10,870                 | 3.7    | 398          |                 |                     |             |                    |             |
| STATES- 51 9 WITH HERD-MATES                     |  |  |  | 9           | 10,870                 | 3.7    | 398          | 21              | 12,450              | 444         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 1580-               | 46-         |                    |             |
| 1300298 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 11 NON-AI DAUGHTERS                              |  |  |  | 12          | 11,115                 | 3.6    | 396          |                 |                     |             |                    |             |
| STATES- 42 10 WITH HERD-MATES                    |  |  |  | 11          | 11,582                 | 3.6    | 412          | 10              | 11,848              | 437         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 266-                | 25-         |                    |             |
| 1300401 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 8 NON-AI DAUGHTERS                               |  |  |  | 10          | 12,747                 | 3.7    | 474          |                 |                     |             |                    |             |
| STATES- 13 8 WITH HERD-MATES                     |  |  |  | 10          | 12,747                 | 3.7    | 474          | 30              | 14,653              | 560         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 1906-               | 86-         |                    |             |
| 1300481 PHILHAVEN DOMINATOR.....                 |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 12-25-56 1004137 3037287 26 AI DAUGHTERS         |  |  |  | 34          | 12,906                 | 3.6    | 471          |                 |                     |             |                    |             |
| AI STUO, 35-05 LISTED, 08-63 26 WITH HERD-MATES  |  |  |  | 34          | 12,906                 | 3.6    | 471          | 15              | 12,604              | 467         | 12,372             | 448         |
| STATES- 35,55                                    |  |  |  |             |                        |        |              | OIFF.           | 302                 | 4           |                    |             |
| 1300483 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 9           | 14,969                 | 3.7    | 559          |                 |                     |             |                    |             |
| STATES- 21 6 WITH HERD-MATES                     |  |  |  | 9           | 14,969                 | 3.7    | 559          | 16              | 14,133              | 520         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 836                 | 39          |                    |             |
| 1300854 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 5 NON-AI DAUGHTERS                               |  |  |  | 7           | 11,663                 | 3.4    | 395          |                 |                     |             |                    |             |
| STATES- 35 5 WITH HERD-MATES                     |  |  |  | 7           | 11,663                 | 3.4    | 395          | 12              | 12,745              | 428         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 1082-               | 33-         |                    |             |
| 1300907 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 6           | 11,368                 | 3.7    | 420          |                 |                     |             |                    |             |
| STATES- 23 5 WITH HERD-MATES                     |  |  |  | 5           | 11,674                 | 3.7    | 431          | 7               | 12,384              | 440         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 710-                | 9-          |                    |             |
| 1300969 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 NON-AI DAUGHTERS                               |  |  |  | 9           | 13,624                 | 3.6    | 496          |                 |                     |             |                    |             |
| STATES- 34 6 WITH HERD-MATES                     |  |  |  | 9           | 13,624                 | 3.6    | 496          | 6               | 13,305              | 479         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 319                 | 17          |                    |             |
| 1300971 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 7 NON-AI DAUGHTERS                               |  |  |  | 7           | 13,994                 | 3.8    | 532          |                 |                     |             |                    |             |
| STATES- 23 7 WITH HERD-MATES                     |  |  |  | 7           | 13,994                 | 3.8    | 532          | 16              | 13,352              | 483         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 642                 | 49          |                    |             |
| 1300991 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 12 NON-AI DAUGHTERS                              |  |  |  | 13          | 11,940                 | 3.6    | 424          |                 |                     |             |                    |             |
| STATES- 42 12 WITH HERD-MATES                    |  |  |  | 13          | 11,940                 | 3.6    | 424          | 16              | 11,282              | 407         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 658                 | 17          |                    |             |
| 1301172 8. O. I. IMPUREMP ACE.....               |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 03-06-57 956081 3835914 175 AI DAUGHTERS         |  |  |  | 189         | 13,389                 | 3.8    | 510          |                 |                     |             |                    |             |
| AI STUO, 16-04 LISTED, 08-63 168 WITH HERD-MATES |  |  |  | 182         | 13,458                 | 3.8    | 511          | 18              | 13,296              | 494         | 12,394             | 464         |
| STATES- 13,14,15,16,21                           |  |  |  |             |                        |        |              | OIFF.           | 162                 | 17          |                    |             |
| 1301173 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 6 AI DAUGHTERS                                   |  |  |  | 7           | 8,756                  | 4.0    | 349          |                 |                     |             |                    |             |
| AI STUO, 71-01 6 WITH HERD-MATES                 |  |  |  | 7           | 8,756                  | 4.0    | 349          | 14              | 10,552              | 377         | 11,490             | 432         |
| STATES- 71                                       |  |  |  |             |                        |        |              | OIFF.           | 1796-               | 28-         |                    |             |
| 1301198 .....                                    |  |  |  |             |                        |        |              |                 |                     |             |                    |             |
| 5 NON-AI DAUGHTERS                               |  |  |  | 5           | 13,010                 | 3.5    | 453          |                 |                     |             |                    |             |
| STATES- 52 5 WITH HERD-MATES                     |  |  |  | 5           | 13,010                 | 3.5    | 453          | 20              | 12,480              | 452         |                    |             |
|  |  |  |  |             |                        |        |              | OIFF.           | 530                 | 1           |                    |             |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                  |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | FAT LB | PREDICTED AV. MILK LB | FAT LB |
|---|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|--------|-----------------------|--------|
| 1301328 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 51                                | 6  | NON-AI DAUGHTERS | 6           | 15,407                | 3.4    | 528         |                 |                    |        |                       |        |
|   | 6  | WITH HERD-MATES  | 6           | 15,407                | 3.4    | 528         | 9               | 14,359             | 494    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 1048               | 34     |                       |        |
| 1301361 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 21                                | 5  | NON-AI DAUGHTERS | 7           | 11,169                | 3.8    | 429         |                 |                    |        |                       |        |
|   | 5  | WITH HERD-MATES  | 7           | 11,169                | 3.8    | 429         | 12              | 12,677             | 467    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 1508-              | 38-    |                       |        |
| 1301478 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 41                                | 6  | NON-AI DAUGHTERS | 6           | 12,190                | 3.6    | 444         |                 |                    |        |                       |        |
|   | 5  | WITH HERD-MATES  | 5           | 11,988                | 3.6    | 429         | 5               | 11,981             | 428    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 7                  | 1      |                       |        |
| 1301484 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 14,16,21                          | 6  | NON-AI DAUGHTERS | 7           | 14,814                | 3.6    | 540         |                 |                    |        |                       |        |
|   | 6  | WITH HERD-MATES  | 7           | 14,814                | 3.6    | 540         | 14              | 12,848             | 467    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 1966               | 73     |                       |        |
| 1301486 MARDIC BOBURKE FORBES - TWIN..... |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| 12-01-56 1024453 3270593                  | 7  | NON-AI DAUGHTERS | 7           | 14,427                | 3.8    | 546         |                 |                    |        |                       |        |
| AI STUD, 34-01 LISTED, 08-63              | 7  | WITH HERD-MATES  | 7           | 14,427                | 3.8    | 546         | 9               | 12,945             | 485    |                       |        |
| STATES- 34                                |    |                  |             |                       |        |             | DIFF.           | 1482               | 61     |                       |        |
| 1301491 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 42                                | 6  | NON-AI DAUGHTERS | 6           | 13,140                | 3.8    | 493         |                 |                    |        |                       |        |
|   | 6  | WITH HERD-MATES  | 6           | 13,140                | 3.8    | 493         | 15              | 12,141             | 447    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 999                | 46     |                       |        |
| 1301493 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 35                                | 8  | NON-AI DAUGHTERS | 10          | 15,899                | 3.3    | 532         |                 |                    |        |                       |        |
|   | 8  | WITH HERD-MATES  | 10          | 15,899                | 3.3    | 532         | 13              | 14,455             | 505    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 1444               | 27     |                       |        |
| 1301513 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 34                                | 5  | NON-AI DAUGHTERS | 13          | 13,247                | 3.6    | 477         |                 |                    |        |                       |        |
|   | 5  | WITH HERD-MATES  | 13          | 13,247                | 3.6    | 477         | 8               | 12,876             | 477    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 371                |        |                       |        |
| 1301554 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 35                                | 5  | NON-AI DAUGHTERS | 6           | 12,761                | 3.5    | 451         |                 |                    |        |                       |        |
|   | 5  | WITH HERD-MATES  | 6           | 12,761                | 3.5    | 451         | 13              | 12,989             | 470    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 228-               | 19-    |                       |        |
| 1301675 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 43                                | 7  | NON-AI DAUGHTERS | 7           | 15,310                | 3.7    | 560         |                 |                    |        |                       |        |
|   | 7  | WITH HERD-MATES  | 7           | 15,310                | 3.7    | 560         | 27              | 14,756             | 546    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 554                | 14     |                       |        |
| 1301699 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 21                                | 6  | NON-AI DAUGHTERS | 9           | 11,968                | 3.8    | 451         |                 |                    |        |                       |        |
|   | 6  | WITH HERD-MATES  | 9           | 11,968                | 3.8    | 451         | 29              | 11,413             | 406    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 555                | 45     |                       |        |
| 1301736 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 31,35,47,61,84                    | 5  | NON-AI DAUGHTERS | 8           | 14,581                | 3.4    | 495         |                 |                    |        |                       |        |
|   | 5  | WITH HERD-MATES  | 8           | 14,581                | 3.4    | 495         | 11              | 12,445             | 453    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 2136               | 42     |                       |        |
| 1301858 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| AI STUD, 41-25                            | 8  | NON-AI DAUGHTERS | 8           | 13,340                | 3.6    | 479         |                 |                    |        |                       |        |
| STATES- 41                                | 8  | WITH HERD-MATES  | 8           | 13,340                | 3.6    | 479         | 14              | 13,508             | 501    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 168-               | 22-    |                       |        |
| 1301864 GRAY VIEW SKYLINER NAT.....       |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| 12-12-56 1244845 3474313                  | 14 | NON-AI DAUGHTERS | 18          | 16,724                | 4.0    | 676         |                 |                    |        |                       |        |
| AI STUD, 35-75 LISTED, 08-63              | 14 | WITH HERD-MATES  | 17          | 16,890                | 4.0    | 683         | 6               | 14,266             | 562    |                       |        |
| STATES- 43                                |    |                  |             |                       |        |             | DIFF.           | 2624               | 121    |                       |        |
| 1301916 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 34                                | 5  | NON-AI DAUGHTERS | 7           | 11,606                | 3.8    | 442         |                 |                    |        |                       |        |
|   | 5  | WITH HERD-MATES  | 7           | 11,606                | 3.8    | 442         | 19              | 13,797             | 501    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 2191-              | 59-    |                       |        |
| 1302078 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 41                                | 5  | NON-AI DAUGHTERS | 5           | 13,736                | 3.7    | 510         |                 |                    |        |                       |        |
|   | 4  | WITH HERD-MATES  | 4           | 13,273                | 3.7    | 486         | 7               | 15,451             | 584    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 2178-              | 98-    |                       |        |
| 1302101 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 21                                | 7  | NON-AI DAUGHTERS | 9           | 12,912                | 3.7    | 482         |                 |                    |        |                       |        |
|   | 7  | WITH HERD-MATES  | 9           | 12,912                | 3.7    | 482         | 30              | 13,138             | 485    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 226-               | 3-     |                       |        |
| 1302321 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 52                                | 6  | NON-AI DAUGHTERS | 6           | 12,492                | 3.8    | 475         |                 |                    |        |                       |        |
|   | 6  | WITH HERD-MATES  | 6           | 12,492                | 3.8    | 475         | 31              | 13,040             | 468    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 548-               | 7      |                       |        |
| 1302331 SKOKIE GOOD GOVERNOR.....         |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| 04-04-57 1199324 3373360                  | 12 | NON-AI DAUGHTERS | 13          | 15,494                | 3.6    | 561         |                 |                    |        |                       |        |
| AI STUD, 35-04 LISTED, 08-63              | 12 | WITH HERD-MATES  | 13          | 15,494                | 3.6    | 561         | 16              | 14,242             | 514    |                       |        |
| STATES- 35,41,56                          |    |                  |             |                       |        |             | DIFF.           | 1252               | 47     |                       |        |
| 1302380 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 91                                | 7  | NON-AI DAUGHTERS | 11          | 14,769                | 4.1    | 605         |                 |                    |        |                       |        |
|   | 7  | WITH HERD-MATES  | 11          | 14,769                | 4.1    | 605         | 13              | 14,309             | 545    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 460                | 60     |                       |        |
| 1302415 .....                             |    |                  |             |                       |        |             |                 |                    |        |                       |        |
| STATES- 23                                | 5  | NON-AI DAUGHTERS | 6           | 10,803                | 3.9    | 421         |                 |                    |        |                       |        |
|   | 5  | WITH HERD-MATES  | 6           | 10,803                | 3.9    | 421         | 7               | 12,394             | 486    |                       |        |
|   |    |                  |             |                       |        |             | DIFF.           | 1591-              | 65-    |                       |        |

| SIRE OF OHIA DAUGHTERS |                              |         |                     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|------------------------|------------------------------|---------|---------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| HOLSTEIN               |                              |         |                     | NUMBER      |                       |        |             |                 |                    |            |                   |            |
| 1302422                | CROCKER GOLDEN EMBLEM        |         |                     | 16          | 15,390                | 3.5    | 537         |                 |                    |            |                   |            |
| 02-05-57               | 1079736                      | 3512964 | 16 AI DAUGHTERS     | 16          | 15,390                | 3.5    | 537         |                 |                    |            |                   |            |
| AI STUD, 31-02         | LISTED, 08-63                |         | 16 WITH HERD-MATES  |             |                       |        |             | 14              | 13,671             | 483        | 13,203            | 477        |
| STATES- 31             |                              |         |                     |             |                       |        |             | DIFF.           | 1719               | 54         |                   |            |
| 1302435                |                              |         | 16 NON-AI DAUGHTERS | 20          | 13,793                | 3.7    | 517         |                 |                    |            |                   |            |
| STATES- 34,52          |                              |         | 15 WITH HERD-MATES  | 19          | 13,939                | 3.8    | 524         | 25              | 12,139             | 441        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 1800               | 83         |                   |            |
| 1302466                |                              |         | 6 NON-AI DAUGHTERS  | 7           | 12,959                | 4.1    | 532         |                 |                    |            |                   |            |
| STATES- 51,52          |                              |         | 6 WITH HERD-MATES   | 6           | 13,323                | 4.1    | 540         | 24              | 13,535             | 507        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 212-               | 33         |                   |            |
| 1302550                |                              |         | 5 NON-AI DAUGHTERS  | 6           | 11,623                | 3.8    | 440         |                 |                    |            |                   |            |
| STATES- 52             |                              |         | 5 WITH HERD-MATES   | 6           | 11,623                | 3.8    | 440         | 16              | 13,057             | 486        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 1434-              | 46-        |                   |            |
| 1302610                |                              |         | 9 NON-AI DAUGHTERS  | 9           | 13,254                | 3.9    | 522         |                 |                    |            |                   |            |
| STATES- 51,55          |                              |         | 9 WITH HERD-MATES   | 9           | 13,254                | 3.9    | 522         | 29              | 12,608             | 474        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 646                | 48         |                   |            |
| 1302708                |                              |         | 5 NON-AI DAUGHTERS  | 5           | 10,400                | 3.9    | 402         |                 |                    |            |                   |            |
| STATES- 34             |                              |         | 5 WITH HERD-MATES   | 5           | 10,400                | 3.9    | 402         | 3               | 11,033             | 393        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 633-               | 9          |                   |            |
| 1302709                |                              |         | 5 NON-AI DAUGHTERS  | 5           | 11,704                | 3.7    | 430         |                 |                    |            |                   |            |
| STATES- 42             |                              |         | 5 WITH HERD-MATES   | 5           | 11,704                | 3.7    | 430         | 3               | 11,164             | 400        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 540                | 30         |                   |            |
| 1302712                | ROCKCREST LEADER ANDY -TWIN- |         |                     | 16          | 13,943                | 3.6    | 508         |                 |                    |            |                   |            |
| 04-27-57               | 915940                       | 2989610 | 14 NON-AI DAUGHTERS | 16          | 13,943                | 3.6    | 508         | 11              | 12,927             | 481        |                   |            |
| AI STUD, 42-02         | LISTED, 08-63                |         | 14 WITH HERD-MATES  | 16          | 13,943                | 3.6    | 508         | DIFF.           | 1016               | 27         |                   |            |
| STATES- 42,57          |                              |         |                     |             |                       |        |             |                 |                    |            |                   |            |
| 1302816                |                              |         | 5 NON-AI DAUGHTERS  | 7           | 15,192                | 3.5    | 534         |                 |                    |            |                   |            |
| STATES- 23             |                              |         | 5 WITH HERD-MATES   | 7           | 15,192                | 3.5    | 534         | 8               | 14,472             | 533        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 720                | 1          |                   |            |
| 1302820                |                              |         | 6 NON-AI DAUGHTERS  | 8           | 11,288                | 3.4    | 389         |                 |                    |            |                   |            |
| STATES- 52,55          |                              |         | 6 WITH HERD-MATES   | 8           | 11,288                | 3.4    | 389         | 16              | 11,991             | 425        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 703-               | 36-        |                   |            |
| 1302852                |                              |         | 9 NON-AI DAUGHTERS  | 10          | 12,349                | 3.7    | 461         |                 |                    |            |                   |            |
| STATES- 14             |                              |         | 8 WITH HERD-MATES   | 8           | 12,869                | 3.7    | 473         | 14              | 12,974             | 486        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 105-               | 13-        |                   |            |
| 1302857                |                              |         | 5 NON-AI DAUGHTERS  | 6           | 15,005                | 3.3    | 496         |                 |                    |            |                   |            |
| STATES- 91             |                              |         | 5 WITH HERD-MATES   | 6           | 15,005                | 3.3    | 496         | 8               | 14,912             | 555        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 93                 | 59-        |                   |            |
| 1302917                |                              |         | 5 NON-AI DAUGHTERS  | 5           | 12,268                | 3.8    | 467         |                 |                    |            |                   |            |
| STATES- 52             |                              |         | 5 WITH HERD-MATES   | 5           | 12,268                | 3.8    | 467         | 12              | 12,142             | 442        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 126                | 25         |                   |            |
| 1302994                |                              |         | 7 NON-AI DAUGHTERS  | 9           | 13,085                | 3.7    | 481         |                 |                    |            |                   |            |
| STATES- 21             |                              |         | 6 WITH HERD-MATES   | 7           | 14,116                | 3.7    | 521         | 27              | 12,760             | 448        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 1356               | 73         |                   |            |
| 1303018                |                              |         | 7 NON-AI DAUGHTERS  | 7           | 14,791                | 3.7    | 546         |                 |                    |            |                   |            |
| STATES- 23             |                              |         | 7 WITH HERD-MATES   | 7           | 14,791                | 3.7    | 546         | 8               | 13,202             | 492        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 1589               | 54         |                   |            |
| 1303030                |                              |         | 5 NON-AI DAUGHTERS  | 7           | 12,800                | 3.9    | 501         |                 |                    |            |                   |            |
| STATES- 51             |                              |         | 5 WITH HERD-MATES   | 7           | 12,800                | 3.9    | 501         | 39              | 12,927             | 499        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 127-               | 2          |                   |            |
| 1303089                |                              |         | 7 NON-AI DAUGHTERS  | 8           | 15,701                | 3.5    | 550         |                 |                    |            |                   |            |
| STATES- 87             |                              |         | 7 WITH HERD-MATES   | 8           | 15,701                | 3.5    | 550         | 5               | 13,940             | 468        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 1761               | 82         |                   |            |
| 1303098                |                              |         | 10 NON-AI DAUGHTERS | 11          | 13,691                | 3.9    | 540         |                 |                    |            |                   |            |
| STATES- 22             |                              |         | 10 WITH HERD-MATES  | 11          | 13,691                | 3.9    | 540         | 35              | 13,556             | 519        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 135                | 21         |                   |            |
| 1303159                |                              |         | 5 NON-AI DAUGHTERS  | 5           | 7,104                 | 4.3    | 308         |                 |                    |            |                   |            |
| STATES- 52             |                              |         | 5 WITH HERD-MATES   | 5           | 7,104                 | 4.3    | 308         | 14              | 9,045              | 343        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 1941-              | 35-        |                   |            |
| 1303178                |                              |         | 7 NON-AI DAUGHTERS  | 7           | 14,229                | 3.6    | 513         |                 |                    |            |                   |            |
| STATES- 41             |                              |         | 7 WITH HERD-MATES   | 7           | 14,229                | 3.6    | 513         | 8               | 13,959             | 507        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 270                | 6          |                   |            |
| 1303185                |                              |         | 5 NON-AI DAUGHTERS  | 5           | 14,376                | 3.7    | 533         |                 |                    |            |                   |            |
| STATES- 55             |                              |         | 5 WITH HERD-MATES   | 5           | 14,376                | 3.7    | 533         | 27              | 12,603             | 473        |                   |            |
|                        |                              |         |                     |             |                       |        |             | DIFF.           | 1773               | 60         |                   |            |



## SIREs OF OHIA DAUGHTERS

| HOLSTEIN                                |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|---|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 1303188 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 23                              | 11 | NON-AI DAUGHTERS | 11          | 14,183                | 3.5    | 493         |                 |                    |            |                       |            |
|   | 11 | WITH HERD-MATES  | 11          | 14,183                | 3.5    | 493         | 6               | 14,195             | 513        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 12-                | 20-        |                       |            |
| 1303247 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 35,74                           | 5  | NON-AI DAUGHTERS | 6           | 14,221                | 3.6    | 515         |                 |                    |            |                       |            |
|   | 5  | WITH HERD-MATES  | 6           | 14,221                | 3.6    | 515         | 24              | 13,778             | 502        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 443                | 13         |                       |            |
| 1303396 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 52                              | 9  | NON-AI DAUGHTERS | 9           | 11,173                | 3.5    | 390         |                 |                    |            |                       |            |
|   | 9  | WITH HERD-MATES  | 9           | 11,173                | 3.5    | 390         | 13              | 10,925             | 404        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 248                | 14-        |                       |            |
| 1303445 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 34                              | 5  | NON-AI DAUGHTERS | 5           | 12,308                | 3.9    | 478         |                 |                    |            |                       |            |
|   | 5  | WITH HERD-MATES  | 5           | 12,308                | 3.9    | 478         | 15              | 11,526             | 411        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 782                | 67         |                       |            |
| 1303458 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 82,91                           | 8  | NON-AI DAUGHTERS | 8           | 14,510                | 3.8    | 555         |                 |                    |            |                       |            |
|   | 8  | WITH HERD-MATES  | 8           | 14,510                | 3.8    | 555         | 13              | 15,239             | 555        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 729-               |            |                       |            |
| 1303528 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 23                              | 11 | NON-AI DAUGHTERS | 11          | 14,947                | 3.5    | 517         |                 |                    |            |                       |            |
|   | 11 | WITH HERD-MATES  | 11          | 14,947                | 3.5    | 517         | 13              | 13,113             | 492        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 1834               | 25         |                       |            |
| 1303529 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 21                              | 7  | NON-AI DAUGHTERS | 7           | 12,023                | 4.0    | 478         |                 |                    |            |                       |            |
|   | 7  | WITH HERD-MATES  | 7           | 12,023                | 4.0    | 478         | 26              | 12,894             | 467        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 871-               | 11         |                       |            |
| 1303534 COLLINS-CREST BURKE STAR.....   |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 04-14-57 1234510 3847399                | 25 | AI DAUGHTERS     | 35          | 12,263                | 3.9    | 480         |                 |                    |            |                       |            |
| AI STUO, 21-01 LISTED, 08-63            | 24 | WITH HERD-MATES  | 34          | 12,136                | 3.9    | 474         | 17              | 13,156             | 475        | 11,529                | 445        |
| STATES- 13,21,52                        |    |                  |             |                       |        |             | DIFF.           | 1020-              | 1-         |                       |            |
| 1303535 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 23,51                           | 6  | NON-AI DAUGHTERS | 7           | 12,018                | 3.7    | 439         |                 |                    |            |                       |            |
|   | 6  | WITH HERD-MATES  | 7           | 12,018                | 3.7    | 439         | 21              | 11,895             | 442        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 123                | 3-         |                       |            |
| 1303574 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 51                              | 14 | NON-AI DAUGHTERS | 15          | 12,125                | 3.7    | 448         |                 |                    |            |                       |            |
|   | 14 | WITH HERD-MATES  | 15          | 12,125                | 3.7    | 448         | 10              | 14,639             | 522        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 2514-              | 74-        |                       |            |
| 1303633 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 42                              | 7  | NON-AI DAUGHTERS | 7           | 15,777                | 3.7    | 581         |                 |                    |            |                       |            |
|   | 7  | WITH HERD-MATES  | 7           | 15,777                | 3.7    | 581         | 10              | 12,955             | 467        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 2822               | 114        |                       |            |
| 1303670 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 23,51                           | 5  | NON-AI DAUGHTERS | 5           | 12,096                | 3.9    | 474         |                 |                    |            |                       |            |
|   | 5  | WITH HERD-MATES  | 5           | 12,096                | 3.9    | 474         | 20              | 13,720             | 517        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 1624-              | 43-        |                       |            |
| 1303709 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 23                              | 5  | NON-AI DAUGHTERS | 8           | 15,081                | 3.8    | 572         |                 |                    |            |                       |            |
|   | 5  | WITH HERD-MATES  | 8           | 15,081                | 3.8    | 572         | 9               | 16,152             | 606        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 1071-              | 34-        |                       |            |
| 1303780 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 48                              | 6  | NON-AI DAUGHTERS | 6           | 10,780                | 4.2    | 452         |                 |                    |            |                       |            |
|   | 6  | WITH HERD-MATES  | 6           | 10,780                | 4.2    | 452         | 12              | 11,804             | 443        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 1024-              | 9          |                       |            |
| 1303800 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 35                              | 5  | NON-AI DAUGHTERS | 5           | 11,454                | 3.6    | 414         |                 |                    |            |                       |            |
|   | 5  | WITH HERD-MATES  | 5           | 11,454                | 3.6    | 414         | 7               | 12,676             | 466        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 1222-              | 52-        |                       |            |
| 1303802 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 11,21                           | 5  | NON-AI DAUGHTERS | 5           | 11,608                | 3.6    | 420         |                 |                    |            |                       |            |
|   | 5  | WITH HERD-MATES  | 5           | 11,608                | 3.6    | 420         | 29              | 13,068             | 499        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 1460-              | 79-        |                       |            |
| 1303847 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 23                              | 7  | NON-AI DAUGHTERS | 10          | 14,829                | 3.9    | 575         |                 |                    |            |                       |            |
|   | 7  | WITH HERD-MATES  | 10          | 14,829                | 3.9    | 575         | 13              | 14,845             | 554        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 16-                | 21         |                       |            |
| 1303900 ROBURKE ORMSBY F08ES PABST..... |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 01-14-57 1024453 3063946                | 7  | NON-AI DAUGHTERS | 7           | 17,330                | 3.4    | 594         |                 |                    |            |                       |            |
| STATES- 33,35                           | 7  | WITH HERD-MATES  | 7           | 17,330                | 3.4    | 594         | 14              | 13,335             | 489        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 3995               | 105        |                       |            |
| 1303977 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| AI STUO, 22-01                          | 10 | AI DAUGHTERS     | 11          | 12,016                | 3.9    | 471         |                 |                    |            |                       |            |
| STATES- 22                              | 10 | WITH HERD-MATES  | 11          | 12,016                | 3.9    | 471         | 23              | 12,874             | 481        | 11,782                | 441        |
|   |    |                  |             |                       |        |             | DIFF.           | 858-               | 10-        |                       |            |
| 1303992 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 91                              | 7  | NON-AI DAUGHTERS | 8           | 11,446                | 3.7    | 423         |                 |                    |            |                       |            |
|   | 5  | WITH HERD-MATES  | 6           | 11,546                | 3.7    | 428         | 8               | 12,017             | 436        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 471-               | 8-         |                       |            |
| 1304031 .....                           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 55                              | 8  | NON-AI DAUGHTERS | 10          | 14,844                | 3.5    | 525         |                 |                    |            |                       |            |
|   | 8  | WITH HERD-MATES  | 10          | 14,844                | 3.5    | 525         | 21              | 13,786             | 483        |                       |            |
|   |    |                  |             |                       |        |             | DIFF.           | 1058               | 42         |                       |            |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   |    |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--|----|------------------|------------------------|---------------------|-------------------|
|  |    |                  | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|  |    |                  | NUMBER LB % LB         | NUMBER LB LB        | LB LB             |
| 1304048 ALDERHURST DELLA LUCIFER.....            |    |                  |                        |                     |                   |
| 04-04-57 769170 2242596 162 AI DAUGHTERS         |    |                  | 170 12,484 4.1 506     |                     |                   |
| AI STUD, 23-08 LISTED, 08-63 161 WITH HERD-MATES |    |                  | 168 12,481 4.0 505     | 17 13,511 518       | 11,305 438        |
| STATES- 21,23,32,50,51,52                        |    |                  |                        | DIFF. 1030- 13-     |                   |
| 1304049 .....                                    |    |                  |                        |                     |                   |
| STATES- 42                                       | 8  | NDN-AI DAUGHTERS | 10 13,692 3.6 497      |                     |                   |
|  | 8  | WITH HERD-MATES  | 10 13,692 3.6 497      | 12 11,193 403       |                   |
|  |    |                  |                        | DIFF. 2499 94       |                   |
| 1304106 .....                                    |    |                  |                        |                     |                   |
| STATES- 23                                       | 15 | NDN-AI DAUGHTERS | 16 12,361 3.8 474      |                     |                   |
|  | 15 | WITH HERD-MATES  | 16 12,361 3.8 474      | 17 12,859 488       |                   |
|  |    |                  |                        | DIFF. 498- 14-      |                   |
| 1304107 .....                                    |    |                  |                        |                     |                   |
| STATES- 23                                       | 5  | NDN-AI DAUGHTERS | 5 11,004 4.1 449       |                     |                   |
|  | 5  | WITH HERD-MATES  | 5 11,004 4.1 449       | 19 12,050 451       |                   |
|  |    |                  |                        | DIFF. 1046- 2-      |                   |
| 1304143 .....                                    |    |                  |                        |                     |                   |
| STATES- 22                                       | 5  | NDN-AI DAUGHTERS | 6 9,941 3.7 369        |                     |                   |
|  | 5  | WITH HERD-MATES  | 6 9,941 3.7 369        | 10 12,545 448       |                   |
|  |    |                  |                        | DIFF. 2604- 79-     |                   |
| 1304177 .....                                    |    |                  |                        |                     |                   |
| STATES- 35,41                                    | 7  | NDN-AI DAUGHTERS | 8 12,001 3.6 434       |                     |                   |
|  | 7  | WITH HERD-MATES  | 8 12,001 3.6 434       | 15 12,214 445       |                   |
|  |    |                  |                        | DIFF. 213- 11-      |                   |
| 1304266 .....                                    |    |                  |                        |                     |                   |
| STATES- 31                                       | 5  | NDN-AI DAUGHTERS | 7 15,492 3.7 573       |                     |                   |
|  | 5  | WITH HERD-MATES  | 7 15,492 3.7 573       | 19 15,316 547       |                   |
|  |    |                  |                        | DIFF. 176 26        |                   |
| 1304303 .....                                    |    |                  |                        |                     |                   |
| STATES- 91                                       | 6  | NDN-AI DAUGHTERS | 6 16,390 3.5 575       |                     |                   |
|  | 6  | WITH HERD-MATES  | 6 16,390 3.5 575       | 37 15,006 552       |                   |
|  |    |                  |                        | DIFF. 1384 23       |                   |
| 1304316 .....                                    |    |                  |                        |                     |                   |
| STATES- 22                                       | 5  | NDN-AI DAUGHTERS | 5 13,272 3.6 476       |                     |                   |
|  | 5  | WITH HERD-MATES  | 5 13,272 3.6 476       | 14 14,790 541       |                   |
|  |    |                  |                        | DIFF. 1518- 65-     |                   |
| 1304379 STRICKLER MODEL PRINCE.....              |    |                  |                        |                     |                   |
| 02-25-57 1232129 3503936 8 AI DAUGHTERS          |    |                  | 10 12,306 3.6 440      |                     |                   |
| AI STUD, 65-02 LISTED, 08-63 8 WITH HERD-MATES   |    |                  | 10 12,306 3.6 440      | 12 12,003 433       | 12,251 446        |
| STATES- 65                                       |    |                  |                        | DIFF. 303 7         |                   |
| 1304383 .....                                    |    |                  |                        |                     |                   |
| STATES- 35                                       | 10 | NDN-AI DAUGHTERS | 13 12,793 3.9 503      |                     |                   |
|  | 10 | WITH HERD-MATES  | 13 12,793 3.9 503      | 7 13,576 552        |                   |
|  |    |                  |                        | DIFF. 783- 49-      |                   |
| 1304497 .....                                    |    |                  |                        |                     |                   |
| STATES- 41                                       | 5  | NDN-AI DAUGHTERS | 5 15,540 3.6 553       |                     |                   |
|  | 5  | WITH HERD-MATES  | 5 15,540 3.6 553       | 10 14,243 536       |                   |
|  |    |                  |                        | DIFF. 1297 17       |                   |
| 1304533 .....                                    |    |                  |                        |                     |                   |
| STATES- 14,22                                    | 9  | NDN-AI DAUGHTERS | 9 13,851 4.0 550       |                     |                   |
|  | 9  | WITH HERD-MATES  | 9 13,851 4.0 550       | 32 14,095 545       |                   |
|  |    |                  |                        | DIFF. 244- 5        |                   |
| 1304568 .....                                    |    |                  |                        |                     |                   |
| STATES- 52                                       | 18 | NDN-AI DAUGHTERS | 18 14,984 3.6 533      |                     |                   |
|  | 18 | WITH HERD-MATES  | 18 14,984 3.6 533      | 15 11,812 411       |                   |
|  |    |                  |                        | DIFF. 3172 122      |                   |
| 1304595 .....                                    |    |                  |                        |                     |                   |
| STATES- 21                                       | 5  | NDN-AI DAUGHTERS | 6 10,854 3.7 403       |                     |                   |
|  | 5  | WITH HERD-MATES  | 6 10,854 3.7 403       | 12 12,083 442       |                   |
|  |    |                  |                        | DIFF. 1229- 39-     |                   |
| 1304644 .....                                    |    |                  |                        |                     |                   |
| STATES- 52                                       | 5  | NDN-AI DAUGHTERS | 5 12,880 3.8 485       |                     |                   |
|  | 5  | WITH HERD-MATES  | 5 12,880 3.8 485       | 26 13,865 527       |                   |
|  |    |                  |                        | DIFF. 985- 42-      |                   |
| 1304800 .....                                    |    |                  |                        |                     |                   |
| STATES- 52                                       | 6  | NDN-AI DAUGHTERS | 6 12,485 4.2 529       |                     |                   |
|  | 6  | WITH HERD-MATES  | 6 12,485 4.2 529       | 24 12,184 473       |                   |
|  |    |                  |                        | DIFF. 301 56        |                   |
| 1304806 .....                                    |    |                  |                        |                     |                   |
| STATES- 21                                       | 13 | NDN-AI DAUGHTERS | 13 15,305 3.6 547      |                     |                   |
|  | 13 | WITH HERD-MATES  | 13 15,305 3.6 547      | 20 13,208 493       |                   |
|  |    |                  |                        | DIFF. 2097 54       |                   |
| 1304810 .....                                    |    |                  |                        |                     |                   |
| STATES- 35                                       | 6  | NDN-AI DAUGHTERS | 7 10,033 3.9 391       |                     |                   |
|  | 5  | WITH HERD-MATES  | 6 11,373 3.9 448       | 10 11,531 431       |                   |
|  |    |                  |                        | DIFF. 158- 17       |                   |
| 1304841 .....                                    |    |                  |                        |                     |                   |
| STATES- 46                                       | 5  | NDN-AI DAUGHTERS | 6 11,770 3.5 412       |                     |                   |
|  | 5  | WITH HERD-MATES  | 6 11,770 3.5 412       | 15 10,030 353       |                   |
|  |    |                  |                        | DIFF. 1740 59       |                   |
| 1304856 .....                                    |    |                  |                        |                     |                   |
| STATES- 35                                       | 6  | NDN-AI DAUGHTERS | 6 14,613 3.7 543       |                     |                   |
|  | 6  | WITH HERD-MATES  | 6 14,613 3.7 543       | 4 11,759 472        |                   |
|  |    |                  |                        | DIFF. 2854 71       |                   |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                   |    |                  | AV. PRODUCTION OF | DAU.           | ADJ. HERD-MATES | AV.        | PREDICTED AV. |
|--|----|------------------|-------------------|----------------|-----------------|------------|---------------|
|  |    |                  | RECORDS           | MILK TEST FAT  | AV. MILK FAT    | MILK FAT   | MILK FAT      |
|  |    |                  | NUMBER            | LB % LB        | NUMBER          | LB         | LB            |
| 1304894 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 23                                 | 7  | NON-AI DAUGHTERS | 7                 | 14,849 3.6 540 |                 |            |               |
|  | 7  | WITH HERD-MATES  | 7                 | 14,849 3.6 540 | 19              | 14,667 547 |               |
|  |    |                  |                   |                | DIFF.           | 182 7-     |               |
| 1304917 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 23                                 | 8  | NON-AI DAUGHTERS | 8                 | 13,226 3.7 494 |                 |            |               |
|  | 8  | WITH HERD-MATES  | 8                 | 13,226 3.7 494 | 9               | 12,358 482 |               |
|  |    |                  |                   |                | DIFF.           | 868 12     |               |
| 1304970 CHERRYBOLD POSCH PRINCE MOOIE..... |    |                  |                   |                |                 |            |               |
| 03-03-57 1197531 3062306                   | 6  | NON-AI DAUGHTERS | 6                 | 10,390 3.4 358 |                 |            |               |
| AI STUD, 35-01 LISTED, 08-63               | 6  | WITH HERD-MATES  | 6                 | 10,390 3.4 358 | 13              | 11,625 402 |               |
| STATES- 34                                 |    |                  |                   |                | DIFF.           | 1235- 44-  |               |
| 1305010 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 21                                 | 11 | NON-AI DAUGHTERS | 12                | 11,483 4.1 471 |                 |            |               |
|  | 11 | WITH HERD-MATES  | 12                | 11,483 4.1 471 | 113             | 12,962 474 |               |
|  |    |                  |                   |                | DIFF.           | 1479- 3-   |               |
| 1305042 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 23                                 | 5  | NON-AI DAUGHTERS | 8                 | 13,032 3.7 481 |                 |            |               |
|  | 5  | WITH HERD-MATES  | 8                 | 13,032 3.7 481 | 23              | 11,126 413 |               |
|  |    |                  |                   |                | DIFF.           | 1906 68    |               |
| 1305228 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 91                                 | 12 | NON-AI DAUGHTERS | 12                | 15,908 3.6 575 |                 |            |               |
|  | 12 | WITH HERD-MATES  | 12                | 15,908 3.6 575 | 22              | 16,871 561 |               |
|  |    |                  |                   |                | DIFF.           | 963- 14    |               |
| 1305266 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 35                                 | 11 | NON-AI DAUGHTERS | 11                | 12,343 3.8 465 |                 |            |               |
|  | 11 | WITH HERD-MATES  | 11                | 12,343 3.8 465 | 12              | 12,221 449 |               |
|  |    |                  |                   |                | DIFF.           | 122 16     |               |
| 1305277 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 34                                 | 5  | NON-AI DAUGHTERS | 5                 | 14,066 3.7 519 |                 |            |               |
|  | 5  | WITH HERD-MATES  | 5                 | 14,066 3.7 519 | 9               | 13,275 486 |               |
|  |    |                  |                   |                | DIFF.           | 791 33     |               |
| 1305289 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 42                                 | 15 | NON-AI DAUGHTERS | 15                | 9,622 3.7 355  |                 |            |               |
|  | 15 | WITH HERD-MATES  | 15                | 9,622 3.7 355  | 21              | 8,675 295  |               |
|  |    |                  |                   |                | DIFF.           | 947 60     |               |
| 1305345 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 35                                 | 5  | NON-AI DAUGHTERS | 7                 | 12,306 3.9 479 |                 |            |               |
|  | 5  | WITH HERD-MATES  | 7                 | 12,306 3.9 479 | 9               | 12,749 473 |               |
|  |    |                  |                   |                | DIFF.           | 443- 6     |               |
| 1305443 CARNATION IDEAL TRADITION.....     |    |                  |                   |                |                 |            |               |
| 05-27-57 1175596 3769610                   | 34 | AI DAUGHTERS     | 36                | 13,040 3.7 487 |                 |            |               |
| AI STUD, 35-05 LISTED, 08-63               | 34 | WITH HERD-MATES  | 36                | 13,040 3.7 487 | 19              | 13,108 484 | 12,156 449    |
| STATES- 33,35                              |    |                  |                   |                | DIFF.           | 68- 3      |               |
| 1305446 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 41                                 | 9  | NON-AI DAUGHTERS | 9                 | 12,240 3.6 442 |                 |            |               |
|  | 9  | WITH HERD-MATES  | 9                 | 12,240 3.6 442 | 31              | 12,234 448 |               |
|  |    |                  |                   |                | DIFF.           | 6 6-       |               |
| 1305449 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 34                                 | 11 | NON-AI DAUGHTERS | 13                | 17,404 3.4 589 |                 |            |               |
|  | 11 | WITH HERD-MATES  | 13                | 17,404 3.4 589 | 8               | 13,921 490 |               |
|  |    |                  |                   |                | DIFF.           | 3483 99    |               |
| 1305453 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 91,92                              | 11 | NON-AI DAUGHTERS | 13                | 14,998 3.4 504 |                 |            |               |
|  | 11 | WITH HERD-MATES  | 13                | 14,998 3.4 504 | 15              | 14,144 480 |               |
|  |    |                  |                   |                | DIFF.           | 854 24     |               |
| 1305458 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 91                                 | 5  | NON-AI DAUGHTERS | 5                 | 12,028 3.8 454 |                 |            |               |
|  | 5  | WITH HERD-MATES  | 5                 | 12,028 3.8 454 | 7               | 14,401 510 |               |
|  |    |                  |                   |                | DIFF.           | 2373- 56-  |               |
| 1305462 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 91                                 | 8  | NON-AI DAUGHTERS | 8                 | 12,258 3.8 463 |                 |            |               |
|  | 8  | WITH HERD-MATES  | 8                 | 12,258 3.8 463 | 7               | 13,652 506 |               |
|  |    |                  |                   |                | DIFF.           | 1394- 43-  |               |
| 1305463 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 32                                 | 7  | NON-AI DAUGHTERS | 7                 | 13,800 3.7 513 |                 |            |               |
|  | 7  | WITH HERD-MATES  | 7                 | 13,800 3.7 513 | 4               | 12,520 478 |               |
|  |    |                  |                   |                | DIFF.           | 1280 35    |               |
| 1305484 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 32                                 | 5  | NON-AI DAUGHTERS | 8                 | 12,544 3.9 484 |                 |            |               |
|  | 5  | WITH HERD-MATES  | 8                 | 12,544 3.9 484 | 34              | 12,589 469 |               |
|  |    |                  |                   |                | DIFF.           | 45- 15     |               |
| 1305543 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 35                                 | 5  | NON-AI DAUGHTERS | 5                 | 14,464 3.4 494 |                 |            |               |
|  | 5  | WITH HERD-MATES  | 5                 | 14,464 3.4 494 | 21              | 13,561 504 |               |
|  |    |                  |                   |                | DIFF.           | 903 10-    |               |
| 1305574 .....                              |    |                  |                   |                |                 |            |               |
| STATES- 82                                 | 5  | NON-AI DAUGHTERS | 6                 | 14,538 3.6 530 |                 |            |               |
|  | 5  | WITH HERD-MATES  | 6                 | 14,538 3.6 530 | 8               | 14,472 501 |               |
|  |    |                  |                   |                | DIFF.           | 66 29      |               |
| 1305613 WILLARDS PRIMO LEADER.....         |    |                  |                   |                |                 |            |               |
| 01-01-57 915940 2965079                    | 59 | NON-AI DAUGHTERS | 77                | 14,941 3.6 532 |                 |            |               |
| AI STUD, 94-01 LISTED, 08-63               | 59 | WITH HERD-MATES  | 77                | 14,941 3.6 532 | 23              | 14,309 520 |               |
| STATES- 23,33,35,42,74                     |    |                  |                   |                | DIFF.           | 632 12     |               |



| SIRE'S OF DAIRY DAUGHTERS                        |  |  |  |  |  | AV. PRODUCTION OF DAU. |                  |      |        | ADJ. HERD-MATES AV. |        |       | PREDICTED AV. |     |
|--|--|--|--|--|--|------------------------|------------------|------|--------|---------------------|--------|-------|---------------|-----|
| HDLSTEIN   |  |  |  |  |  | RECD RDS               | MILK             | TEST | FAT    | NUMBER              | MILK   | FAT   | MILK          | FAT |
|  |  |  |  |  |  | NUMBER                 | L8               | %    | L8     |                     | L8     | L8    | L8            | L8  |
| 1305650 WILLDO LAWN SUPERIOR WIN.....            |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| 08-25-57 922288 3166836 48 AI DAUGHTERS          |  |  |  |  |  | 52                     | 12,470           | 3.5  | 440    |                     |        |       |               |     |
| AI STUD, 21-01 LISTED, 08-63 46 WITH HERD-MATES  |  |  |  |  |  | 50                     | 12,680           | 3.5  | 447    | 19                  | 13,116 | 473   | 11,868        | 426 |
| STATES- 13,21,23,51                              |  |  |  |  |  |                        |                  |      |        | DIFF.               | 436-   | 26-   |               |     |
| 1305660 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 51                                       |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 5    | 12,288 | 3.8                 | 473    | 28    | 12,737        | 457 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 5    | 12,288 | 3.8                 | 473    | DIFF. | 449-          | 16  |
| 1305681 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 35                                       |  |  |  |  |  | 13                     | NON-AI DAUGHTERS | 17   | 11,248 | 3.8                 | 432    | 15    | 12,077        | 463 |
|  |  |  |  |  |  | 13                     | WITH HERD-MATES  | 16   | 11,187 | 3.8                 | 430    | DIFF. | 890-          | 33- |
| 1305726 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 35                                       |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 6    | 11,784 | 3.9                 | 455    | 21    | 13,905        | 518 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 6    | 11,784 | 3.9                 | 455    | DIFF. | 2121-         | 63- |
| 1305789 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 12                                       |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 5    | 12,034 | 3.8                 | 458    | 10    | 12,676        | 507 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 5    | 12,034 | 3.8                 | 458    | DIFF. | 642-          | 49- |
| 1305850 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 22,23                                    |  |  |  |  |  | 6                      | NON-AI DAUGHTERS | 7    | 12,382 | 4.0                 | 496    | 35    | 13,461        | 504 |
|  |  |  |  |  |  | 6                      | WITH HERD-MATES  | 7    | 12,382 | 4.0                 | 496    | DIFF. | 1079-         | 8-  |
| 1305874 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| AI STUD, 93-05                                   |  |  |  |  |  | 3                      | AI DAUGHTERS     | 3    | 13,813 | 3.6                 | 492    | 11    | 14,142        | 515 |
| STATES- 82                                       |  |  |  |  |  | 3                      | WITH HERD-MATES  | 3    | 13,813 | 3.6                 | 492    | DIFF. | 329-          | 23- |
|  |  |  |  |  |  | 3                      | NON-AI DAUGHTERS | 3    | 14,140 | 3.5                 | 500    | 5     | 13,692        | 509 |
|  |  |  |  |  |  | 2                      | WITH HERD-MATES  | 2    | 15,045 | 3.6                 | 536    | DIFF. | 1353          | 27  |
| 1305878 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 21                                       |  |  |  |  |  | 6                      | NON-AI DAUGHTERS | 6    | 13,307 | 4.0                 | 527    | 14    | 13,658        | 522 |
|  |  |  |  |  |  | 6                      | WITH HERD-MATES  | 6    | 13,307 | 4.0                 | 527    | DIFF. | 351-          | 5   |
| 1305893 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 21                                       |  |  |  |  |  | 6                      | NON-AI DAUGHTERS | 9    | 12,994 | 3.2                 | 414    | 14    | 14,174        | 501 |
|  |  |  |  |  |  | 6                      | WITH HERD-MATES  | 9    | 12,994 | 3.2                 | 414    | DIFF. | 1180-         | 87- |
| 1305994 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 35                                       |  |  |  |  |  | 12                     | NON-AI DAUGHTERS | 12   | 12,915 | 3.7                 | 476    | 10    | 12,619        | 458 |
|  |  |  |  |  |  | 12                     | WITH HERD-MATES  | 12   | 12,915 | 3.7                 | 476    | DIFF. | 296           | 18  |
| 1306004 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 13                                       |  |  |  |  |  | 6                      | NON-AI DAUGHTERS | 6    | 11,042 | 3.8                 | 420    | 13    | 12,850        | 459 |
|  |  |  |  |  |  | 6                      | WITH HERD-MATES  | 6    | 11,042 | 3.8                 | 420    | DIFF. | 1808-         | 39- |
| 1306033 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 34                                       |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 7    | 13,913 | 3.7                 | 519    | 20    | 14,126        | 503 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 7    | 13,913 | 3.7                 | 519    | DIFF. | 213-          | 16  |
| 1306138 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 35,57                                    |  |  |  |  |  | 6                      | NON-AI DAUGHTERS | 6    | 12,503 | 3.5                 | 438    | 19    | 12,483        | 454 |
|  |  |  |  |  |  | 6                      | WITH HERD-MATES  | 6    | 12,503 | 3.5                 | 438    | DIFF. | 20            | 16- |
| 1306155 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 42                                       |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 6    | 11,325 | 4.0                 | 451    | 10    | 12,467        | 474 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 6    | 11,325 | 4.0                 | 451    | DIFF. | 1142-         | 23- |
| 1306250 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 21,23                                    |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 5    | 14,214 | 3.8                 | 538    | 13    | 14,798        | 587 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 5    | 14,214 | 3.8                 | 538    | DIFF. | 584-          | 49- |
| 1306268 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 34                                       |  |  |  |  |  | 6                      | NON-AI DAUGHTERS | 6    | 12,313 | 3.5                 | 426    | 6     | 13,180        | 475 |
|  |  |  |  |  |  | 6                      | WITH HERD-MATES  | 6    | 12,313 | 3.5                 | 426    | DIFF. | 867-          | 49- |
| 1306418 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 23                                       |  |  |  |  |  | 11                     | NON-AI DAUGHTERS | 12   | 11,193 | 3.9                 | 440    | 9     | 12,730        | 480 |
|  |  |  |  |  |  | 11                     | WITH HERD-MATES  | 12   | 11,193 | 3.9                 | 440    | DIFF. | 1537-         | 40- |
| 1306430 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 11,12                                    |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 5    | 10,458 | 3.7                 | 391    | 6     | 11,872        | 445 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 5    | 10,458 | 3.7                 | 391    | DIFF. | 1414-         | 54- |
| 1306473 .....                                    |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| STATES- 23                                       |  |  |  |  |  | 5                      | NON-AI DAUGHTERS | 9    | 12,892 | 4.0                 | 513    | 16    | 12,961        | 501 |
|  |  |  |  |  |  | 5                      | WITH HERD-MATES  | 9    | 12,892 | 4.0                 | 513    | DIFF. | 69-           | 12  |
| 1306477 WDD08DURNE LASS REFLECTION.....          |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |
| 04-03-57 010198998 3221337 600 AI DAUGHTERS      |  |  |  |  |  | 766                    | 13,544           | 3.7  | 500    | 17                  | 13,780 | 521   | 12,061        | 431 |
| AI STUD, 23-04 LISTED, 08-63 596 WITH HERD-MATES |  |  |  |  |  | 761                    | 13,541           | 3.7  | 500    | DIFF.               | 239-   | 21-   |               |     |
| STATES- 21,22,23,52,55                           |  |  |  |  |  |                        |                  |      |        |                     |        |       |               |     |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                                  | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |             | PREDICTED AV.   |            |
|---|------------------------|------------------|-----------|-----------|---------------------|------------|-------------|-----------------|------------|
|   | RECDROS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | AV.<br>NUMBER       | MILK<br>LB | FAT<br>LB   | MILK<br>LB      | FAT<br>LB  |
| 1306551 .....                             | 5                      | NDN-AI DAUGHTERS | 5         | 13,572    | 3.4                 | 460        |             |                 |            |
| STATES- 42                                | 5                      | WITH HERD-MATES  | 5         | 13,572    | 3.4                 | 460        | 14<br>DIFF. | 13,093<br>479   | 470<br>10- |
| 1306827 .....                             | 19                     | NDN-AI DAUGHTERS | 19        | 11,516    | 3.3                 | 375        |             |                 |            |
| STATES- 55                                | 19                     | WITH HERD-MATES  | 19        | 11,516    | 3.3                 | 375        | 11<br>DIFF. | 9,743<br>1773   | 339<br>36  |
| 1306901 B D I IMPEMGD DMAN.....           |                        |                  |           |           |                     |            |             |                 |            |
| 04-30-57 956081 3635421                   | 8                      | AI DAUGHTERS     | 9         | 12,668    | 3.6                 | 453        |             |                 |            |
| AI STUD, 41-01 LISTED, 08-63              | 8                      | WITH HERD-MATES  | 9         | 12,668    | 3.6                 | 453        | 39<br>DIFF. | 12,702<br>34-   | 460<br>7-  |
| STATES- 41                                |                        |                  |           |           |                     |            |             | 12,144          | 442        |
| 1306902 B D I IMPEMGD APPDLLO.....        |                        |                  |           |           |                     |            |             |                 |            |
| 05-10-57 956081 3514107                   | 8                      | NDN-AI DAUGHTERS | 9         | 14,288    | 3.8                 | 539        |             |                 |            |
| AI STUD, 96-01 LISTED, 08-63              | 8                      | WITH HERD-MATES  | 9         | 14,288    | 3.8                 | 539        | 6<br>DIFF.  | 13,344<br>944   | 463<br>76  |
| STATES- 96                                |                        |                  |           |           |                     |            |             |                 |            |
| 1306977 .....                             | 5                      | NDN-AI DAUGHTERS | 5         | 11,740    | 3.6                 | 419        |             |                 |            |
| STATES- 21                                | 5                      | WITH HERD-MATES  | 5         | 11,740    | 3.6                 | 419        | 13<br>DIFF. | 11,229<br>511   | 398<br>21  |
| 1307022 .....                             | 7                      | NDN-AI DAUGHTERS | 9         | 12,223    | 3.7                 | 456        |             |                 |            |
| STATES- 16                                | 7                      | WITH HERD-MATES  | 9         | 12,223    | 3.7                 | 456        | 27<br>DIFF. | 12,184<br>39    | 464<br>8-  |
| 1307028 .....                             | 9                      | NDN-AI DAUGHTERS | 9         | 13,510    | 4.0                 | 545        |             |                 |            |
| STATES- 23                                | 9                      | WITH HERD-MATES  | 9         | 13,510    | 4.0                 | 545        | 18<br>DIFF. | 13,056<br>454   | 490<br>55  |
| 1307038 .....                             | 8                      | NDN-AI DAUGHTERS | 8         | 10,950    | 3.6                 | 393        |             |                 |            |
| STATES- 42                                | 8                      | WITH HERD-MATES  | 8         | 10,950    | 3.6                 | 393        | 8<br>DIFF.  | 12,841<br>1891- | 467<br>74- |
| 1307099 .....                             | 8                      | NDN-AI DAUGHTERS | 8         | 11,130    | 3.8                 | 426        |             |                 |            |
| STATES- 23                                | 8                      | WITH HERD-MATES  | 8         | 11,130    | 3.8                 | 426        | 9<br>DIFF.  | 11,721<br>591-  | 421<br>5   |
| 1307195 FRASEA NETHERLAND PERFECTION..... |                        |                  |           |           |                     |            |             |                 |            |
| 02-27-55 010153547 011002838              | 245                    | AI DAUGHTERS     | 303       | 14,652    | 3.7                 | 542        |             |                 |            |
| AI STUD, 92-01 LISTED, 08-63              | 224                    | WITH HERD-MATES  | 275       | 14,629    | 3.7                 | 540        | 21<br>DIFF. | 13,797<br>832   | 503<br>37  |
| STATES- 32,91,92                          |                        |                  |           |           |                     |            | 8<br>DIFF.  | 11,746<br>1029  | 427<br>22  |
|   | 5                      | NDN-AI DAUGHTERS | 9         | 13,030    | 3.6                 | 463        |             |                 |            |
|   | 5                      | WITH HERD-MATES  | 8         | 12,775    | 3.5                 | 449        |             |                 |            |
| 1307196 FRASEA TDP MARK.....              |                        |                  |           |           |                     |            |             |                 |            |
| 05-30-57 010253255 011002838              | 33                     | AI DAUGHTERS     | 36        | 12,903    | 3.8                 | 484        |             |                 |            |
| AI STUD, 91-01 LISTED, 08-63              | 32                     | WITH HERD-MATES  | 34        | 12,907    | 3.8                 | 485        | 18<br>DIFF. | 14,113<br>1206- | 506<br>21- |
| STATES- 81,91                             |                        |                  |           |           |                     |            |             | 11,409          | 433        |
| 1307214 .....                             | 8                      | NDN-AI DAUGHTERS | 10        | 13,064    | 3.5                 | 463        |             |                 |            |
| STATES- 35,51                             | 8                      | WITH HERD-MATES  | 10        | 13,068    | 3.5                 | 463        | 7<br>DIFF.  | 13,153<br>85-   | 486<br>23- |
| 1307404 .....                             | 5                      | NDN-AI DAUGHTERS | 5         | 14,472    | 3.6                 | 520        |             |                 |            |
| STATES- 34                                | 5                      | WITH HERD-MATES  | 5         | 14,472    | 3.6                 | 520        | 16<br>DIFF. | 13,502<br>970   | 520        |
| 1307422 SHERWIN FDND DELIGHT TEXAL.....   |                        |                  |           |           |                     |            |             |                 |            |
| 04-08-57 1218298 3880030                  | 22                     | AI DAUGHTERS     | 26        | 11,059    | 3.7                 | 412        |             |                 |            |
| AI STUD, 63-01 LISTED, 08-63              | 21                     | WITH HERD-MATES  | 25        | 11,292    | 3.7                 | 417        | 19<br>DIFF. | 11,737<br>445-  | 439<br>22- |
| STATES- 63                                |                        |                  |           |           |                     |            | 8<br>DIFF.  | 10,612<br>888   | 374<br>58  |
|   | 1                      | NDN-AI DAUGHTERS | 2         | 11,500    | 3.8                 | 432        |             |                 |            |
|   | 1                      | WITH HERD-MATES  | 2         | 11,500    | 3.8                 | 432        |             |                 |            |
| 1307458 .....                             | 11                     | NCA-AI DAUGHTERS | 14        | 12,857    | 3.6                 | 465        |             |                 |            |
| STATES- 41,45                             | 11                     | WITH HERD-MATES  | 12        | 12,770    | 3.6                 | 462        | 8<br>DIFF.  | 13,742<br>972-  | 491<br>29- |
| 1307467 WIGSTEN DEAN PRIDE.....           |                        |                  |           |           |                     |            |             |                 |            |
| 05-13-57 956081 4425167                   | 20                     | AI DAUGHTERS     | 22        | 11,945    | 3.8                 | 449        |             |                 |            |
| AI STUD, 21-01 LISTED, 08-63              | 19                     | WITH HERD-MATES  | 21        | 11,944    | 3.7                 | 446        | 20<br>DIFF. | 13,304<br>1360- | 483<br>37- |
| STATES- 13,21                             |                        |                  |           |           |                     |            |             | 11,377          | 424        |
| 1307507 .....                             | 6                      | NDN-AI DAUGHTERS | 6         | 10,532    | 3.4                 | 361        |             |                 |            |
| STATES- 41                                | 6                      | WITH HERD-MATES  | 6         | 10,532    | 3.4                 | 361        | 8<br>DIFF.  | 9,681<br>851    | 349<br>12  |
| 1307571 .....                             | 7                      | NDN-AI DAUGHTERS | 7         | 13,927    | 3.4                 | 473        |             |                 |            |
| STATES- 23                                | 7                      | WITH HERD-MATES  | 7         | 13,927    | 3.4                 | 473        | 35<br>DIFF. | 12,656<br>1271  | 456<br>17  |
| 1307633 .....                             | 6                      | NDN-AI DAUGHTERS | 6         | 15,610    | 3.5                 | 551        |             |                 |            |
| STATES- 21                                | 6                      | WITH HERD-MATES  | 6         | 15,610    | 3.5                 | 551        | 13<br>DIFF. | 14,412<br>1198  | 508<br>43  |
| 1307678 .....                             | 6                      | NDN-AI DAUGHTERS | 6         | 14,750    | 3.7                 | 542        |             |                 |            |
| STATES- 34                                | 6                      | WITH HERD-MATES  | 6         | 14,750    | 3.7                 | 542        | 12<br>DIFF. | 14,545<br>205   | 521<br>21  |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   |                     |     | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK LB | TEST<br>% | DAU.<br>FAT LB | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK LB | FAT LB |
|--|---------------------|-----|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1307691 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 31                                       | 6 NON-AI DAUGHTERS  | 6   | 11,568                | 4.1                      | 476       |                |                    |                       |               |                          |        |
|  | 3 WITH HERD-MATES   | 3   | 11,783                | 4.1                      | 478       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 25                 | 13,942                | 532           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 2159-                 | 54-           |                          |        |
| 1307794 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 34                                       | 5 NON-AI DAUGHTERS  | 7   | 12,390                | 3.8                      | 465       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 7   | 12,390                | 3.8                      | 465       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 20                 | 14,223                | 535           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 1833-                 | 70-           |                          |        |
| 1307844 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 23                                       | 5 NON-AI DAUGHTERS  | 5   | 11,128                | 3.8                      | 418       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 5   | 11,128                | 3.8                      | 418       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 24                 | 9,244                 | 351           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 1884                  | 67            |                          |        |
| 1307857 ZIMMERMAN BESTAR ROYAL LEE.....          |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| 12-15-56 1156771 4196429 10 AI DAUGHTERS         |                     | 10  | 14,479                | 4.0                      | 586       |                |                    |                       |               |                          |        |
| AI STUD, 23-01 LISTED, 08-63 10 WITH HERD-MATES  |                     | 10  | 14,479                | 4.0                      | 586       |                |                    |                       |               |                          |        |
| STATES- 23                                       |                     |     |                       |                          |           |                | 12                 | 15,170                | 594           | 11,960                   | 447    |
|  |                     |     |                       |                          |           |                | DIFF.              | 691-                  | 8-            |                          |        |
| 1307939 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 21,23                                    | 5 NON-AI DAUGHTERS  | 8   | 10,348                | 3.7                      | 378       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 8   | 10,348                | 3.7                      | 378       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 18                 | 11,389                | 414           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 1041-                 | 36-           |                          |        |
| 1307980 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 33                                       | 5 NON-AI DAUGHTERS  | 7   | 13,153                | 3.9                      | 518       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 7   | 13,153                | 3.9                      | 518       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 21                 | 13,040                | 495           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 113                   | 23            |                          |        |
| 1308134 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 42                                       | 5 NON-AI DAUGHTERS  | 5   | 13,692                | 3.8                      | 518       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 5   | 13,692                | 3.8                      | 518       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 11                 | 11,445                | 463           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 2247                  | 55            |                          |        |
| 1308171 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 52                                       | 5 NON-AI DAUGHTERS  | 6   | 9,209                 | 4.2                      | 384       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 6   | 9,209                 | 4.2                      | 384       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 9                  | 11,914                | 469           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 2705-                 | 85-           |                          |        |
| 1308255 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 21                                       | 7 NON-AI DAUGHTERS  | 7   | 12,580                | 3.5                      | 437       |                |                    |                       |               |                          |        |
|  | 7 WITH HERD-MATES   | 7   | 12,580                | 3.5                      | 437       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 26                 | 11,519                | 425           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 1061                  | 12            |                          |        |
| 1308282 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 33                                       | 7 NON-AI DAUGHTERS  | 7   | 14,247                | 3.6                      | 506       |                |                    |                       |               |                          |        |
|  | 7 WITH HERD-MATES   | 7   | 14,247                | 3.6                      | 506       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 13                 | 13,183                | 478           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 1064                  | 28            |                          |        |
| 1308286 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 46                                       | 5 NON-AI DAUGHTERS  | 5   | 8,928                 | 3.6                      | 321       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 5   | 8,928                 | 3.6                      | 321       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 11                 | 10,490                | 355           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 1562-                 | 34-           |                          |        |
| 1308343 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 61                                       | 5 NON-AI DAUGHTERS  | 5   | 11,832                | 3.9                      | 459       |                |                    |                       |               |                          |        |
|  | 5 WITH HERD-MATES   | 5   | 11,832                | 3.9                      | 459       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 21                 | 12,597                | 474           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 765-                  | 15-           |                          |        |
| 1308419 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| AI STUD, 35-04                                   | 2 AI DAUGHTERS      | 2   | 11,170                | 3.7                      | 418       |                |                    |                       |               |                          |        |
| STATES- 35,41                                    | 2 WITH HERD-MATES   | 2   | 11,170                | 3.7                      | 418       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 28                 | 11,700                | 416           | 12,055                   | 444    |
|  |                     |     |                       |                          |           |                | DIFF.              | 530-                  | 2             |                          |        |
|  | 4 NON-AI DAUGHTERS  | 4   | 14,783                | 3.6                      | 526       |                |                    |                       |               |                          |        |
|  | 4 WITH HERD-MATES   | 4   | 14,783                | 3.6                      | 526       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 13                 | 14,187                | 506           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 596                   | 20            |                          |        |
| 1308429 HOWACRES ADMIRAL LUCIFER.....            |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| 05-02-57 1038118 2696634 108 AI DAUGHTERS        |                     | 116 | 13,705                | 3.8                      | 514       |                |                    |                       |               |                          |        |
| AI STUD, 16-04 LISTED, 08-63 106 WITH HERD-MATES |                     | 114 | 13,788                | 3.7                      | 517       |                |                    |                       |               |                          |        |
| STATES- 11,12,13,14,15,16                        |                     |     |                       |                          |           |                | 24                 | 13,382                | 506           | 12,608                   | 459    |
|  |                     |     |                       |                          |           |                | DIFF.              | 406                   | 11            |                          |        |
|  | 2 NON-AI DAUGHTERS  | 2   | 11,470                | 4.2                      | 487       |                |                    |                       |               |                          |        |
|  | 2 WITH HERD-MATES   | 2   | 11,470                | 4.2                      | 487       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 12                 | 14,553                | 522           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 3083-                 | 35-           |                          |        |
| 1308455 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 11                                       | 7 NON-AI DAUGHTERS  | 12  | 11,150                | 3.6                      | 397       |                |                    |                       |               |                          |        |
|  | 7 WITH HERD-MATES   | 12  | 11,150                | 3.6                      | 397       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 75                 | 13,688                | 507           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 2538-                 | 110-          |                          |        |
| 1308492 RIVER VALLEY WALLIE SUPERIOR.....        |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| 09-09-57 1190632 3002373 28 AI DAUGHTERS         |                     | 33  | 15,706                | 3.8                      | 598       |                |                    |                       |               |                          |        |
| AI STUD, 55-01 LISTED, 08-63 28 WITH HERD-MATES  |                     | 33  | 15,706                | 3.8                      | 598       |                |                    |                       |               |                          |        |
| STATES- 55                                       |                     |     |                       |                          |           |                | 43                 | 15,871                | 605           | 12,281                   | 450    |
|  |                     |     |                       |                          |           |                | DIFF.              | 165-                  | 7-            |                          |        |
| 1308502 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 54                                       | 7 NON-AI DAUGHTERS  | 8   | 14,286                | 3.8                      | 547       |                |                    |                       |               |                          |        |
|  | 7 WITH HERD-MATES   | 8   | 14,286                | 3.8                      | 547       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 22                 | 13,775                | 524           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 511                   | 23            |                          |        |
| 1308504 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 35                                       | 17 NON-AI DAUGHTERS | 17  | 11,744                | 3.8                      | 442       |                |                    |                       |               |                          |        |
|  | 17 WITH HERD-MATES  | 17  | 11,744                | 3.8                      | 442       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 21                 | 12,658                | 474           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 914-                  | 32-           |                          |        |
| 1308576 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 34                                       | 6 NON-AI DAUGHTERS  | 6   | 12,690                | 3.8                      | 484       |                |                    |                       |               |                          |        |
|  | 6 WITH HERD-MATES   | 6   | 12,690                | 3.8                      | 484       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 21                 | 11,851                | 438           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 839                   | 46            |                          |        |
| 1308592 .....                                    |                     |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 52                                       | 9 NON-AI DAUGHTERS  | 9   | 12,602                | 3.6                      | 449       |                |                    |                       |               |                          |        |
|  | 8 WITH HERD-MATES   | 8   | 12,853                | 3.6                      | 459       |                |                    |                       |               |                          |        |
|  |                     |     |                       |                          |           |                | 12                 | 12,679                | 455           |                          |        |
|  |                     |     |                       |                          |           |                | DIFF.              | 174                   | 4             |                          |        |



## SIRE OF DHIA DAUGHTERS

| HDLSTEIN                               | AV. PRDUCTION DF DAU. |                  |           |           | ADJ. HERD-MATES AV. |           |                   | PREDICTED AV.   |             |
|--|-----------------------|------------------|-----------|-----------|---------------------|-----------|-------------------|-----------------|-------------|
|  | RECORDS<br>NUMBER     | MILK<br>LB       | TEST<br>% | FAT<br>LB | AV.<br>MILK<br>LB   | FAT<br>LB | AV.<br>MILK<br>LB | MILK<br>LB      | FAT<br>LB   |
| 1308654 .....                          | 5                     | NDN-AI DAUGHTERS | 6         | 12,753    | 3.3                 | 416       |                   |                 |             |
| STATES- 21                             | 5                     | WITH HERD-MATES  | 6         | 12,753    | 3.3                 | 416       | 23<br>DIFF.       | 14,318<br>1565- | 509<br>93-  |
| 1308668 .....                          | 11                    | NDN-AI DAUGHTERS | 11        | 10,571    | 3.5                 | 372       |                   |                 |             |
| STATES- 41                             | 11                    | WITH HERD-MATES  | 11        | 10,571    | 3.5                 | 372       | 32<br>DIFF.       | 10,354<br>217   | 347<br>25   |
| 1308669 .....                          | 12                    | NDN-AI DAUGHTERS | 13        | 14,648    | 3.8                 | 554       |                   |                 |             |
| STATES- 34                             | 12                    | WITH HERD-MATES  | 13        | 14,648    | 3.8                 | 554       | 12<br>DIFF.       | 15,275<br>627-  | 570<br>16-  |
| 1308708 .....                          | 8                     | NDN-AI DAUGHTERS | 8         | 11,724    | 4.1                 | 476       |                   |                 |             |
| STATES- 23                             | 8                     | WITH HERD-MATES  | 8         | 11,724    | 4.1                 | 476       | 14<br>DIFF.       | 11,143<br>581   | 399<br>77   |
| 1308754 .....                          | 8                     | NDN-AI DAUGHTERS | 8         | 15,760    | 3.7                 | 576       |                   |                 |             |
| STATES- 43                             | 8                     | WITH HERD-MATES  | 8         | 15,760    | 3.7                 | 576       | 4<br>DIFF.        | 15,567<br>193   | 575<br>1    |
| 1308768 .....                          | 7                     | NON-AI DAUGHTERS | 7         | 10,304    | 3.8                 | 396       |                   |                 |             |
| STATES- 35                             | 7                     | WITH HERD-MATES  | 7         | 10,304    | 3.8                 | 396       | 2<br>DIFF.        | 10,360<br>56-   | 382<br>14   |
| 1308801 .....                          | 7                     | NON-AI DAUGHTERS | 7         | 14,661    | 3.6                 | 530       |                   |                 |             |
| STATES- 52                             | 6                     | WITH HERD-MATES  | 6         | 14,805    | 3.6                 | 532       | 4<br>DIFF.        | 13,295<br>1510  | 508<br>24   |
| 1308879 .....                          | 5                     | NON-AI DAUGHTERS | 6         | 13,564    | 3.5                 | 469       |                   |                 |             |
| STATES- 21                             | 5                     | WITH HERD-MATES  | 6         | 13,564    | 3.5                 | 469       | 21<br>DIFF.       | 14,939<br>1375- | 525<br>56-  |
| 1308893 .....                          | 5                     | NDN-AI DAUGHTERS | 5         | 13,094    | 3.5                 | 458       |                   |                 |             |
| STATES- 34                             | 5                     | WITH HERD-MATES  | 5         | 13,094    | 3.5                 | 458       | 20<br>DIFF.       | 12,016<br>1078  | 443<br>15   |
| 1308901 .....                          | 8                     | NDN-AI DAUGHTERS | 9         | 12,168    | 3.6                 | 438       |                   |                 |             |
| STATES- 55                             | 8                     | WITH HERD-MATES  | 9         | 12,168    | 3.6                 | 438       | 18<br>DIFF.       | 10,882<br>1286  | 393<br>45   |
| 1308909 .....                          | 6                     | NDN-AI DAUGHTERS | 6         | 13,785    | 4.3                 | 586       |                   |                 |             |
| STATES- 13                             | 6                     | WITH HERD-MATES  | 6         | 13,785    | 4.3                 | 586       | 26<br>DIFF.       | 12,704<br>1081  | 482<br>104  |
| 1308997 .....                          | 9                     | NDN-AI DAUGHTERS | 10        | 12,289    | 3.9                 | 476       |                   |                 |             |
| STATES- 35                             | 9                     | WITH HERD-MATES  | 10        | 12,289    | 3.9                 | 476       | 32<br>DIFF.       | 12,269<br>20    | 468<br>8    |
| 1309108 .....                          | 10                    | NDN-AI DAUGHTERS | 10        | 12,796    | 4.0                 | 509       |                   |                 |             |
| STATES- 23                             | 10                    | WITH HERD-MATES  | 10        | 12,796    | 4.0                 | 509       | 10<br>DIFF.       | 14,021<br>1225- | 535<br>26-  |
| 1309121 .....                          | 9                     | NON-AI DAUGHTERS | 10        | 16,279    | 3.6                 | 578       |                   |                 |             |
| STATES- 23                             | 9                     | WITH HERD-MATES  | 10        | 16,279    | 3.6                 | 578       | 15<br>DIFF.       | 14,796<br>1483  | 544<br>34   |
| 1309124 .....                          | 5                     | NDN-AI DAUGHTERS | 5         | 12,132    | 3.6                 | 433       |                   |                 |             |
| STATES- 21                             | 5                     | WITH HERD-MATES  | 5         | 12,132    | 3.6                 | 433       | 35<br>DIFF.       | 13,879<br>1747- | 512<br>79-  |
| 1309130 .....                          | 11                    | NDN-AI DAUGHTERS | 11        | 15,820    | 4.1                 | 650       |                   |                 |             |
| STATES- 22                             | 10                    | WITH HERD-MATES  | 10        | 15,460    | 4.1                 | 638       | 5<br>DIFF.        | 15,237<br>223   | 589<br>49   |
| 1309227 CLANYARD IDEAL KINGS DALE..... | 23                    | AI DAUGHTERS     | 23        | 12,527    | 3.7                 | 462       |                   |                 |             |
| 09-26-57 1090340 3168872               | 22                    | WITH HERD-MATES  | 22        | 12,430    | 3.7                 | 461       | 24<br>DIFF.       | 12,526<br>96-   | 465<br>4-   |
| AI STUD, 33-01 LISTED, 08-63           |                       |                  |           |           |                     |           |                   |                 | 12,099 443  |
| STATES- 33                             |                       |                  |           |           |                     |           |                   |                 |             |
| 1309294 .....                          | 6                     | NDN-AI DAUGHTERS | 11        | 10,638    | 3.9                 | 410       |                   |                 |             |
| STATES- 23                             | 6                     | WITH HERD-MATES  | 11        | 10,638    | 3.9                 | 410       | 8<br>DIFF.        | 12,873<br>2235- | 491<br>81-  |
| 1309299 .....                          | 5                     | NDN-AI DAUGHTERS | 5         | 10,016    | 3.4                 | 340       |                   |                 |             |
| STATES- 35                             | 5                     | WITH HERD-MATES  | 5         | 10,016    | 3.4                 | 340       | 7<br>DIFF.        | 14,812<br>4796- | 517<br>177- |
| 1309349 .....                          | 5                     | NON-AI DAUGHTERS | 5         | 13,686    | 3.7                 | 508       |                   |                 |             |
| STATES- 48                             | 5                     | WITH HERD-MATES  | 5         | 13,686    | 3.7                 | 508       | 12<br>DIFF.       | 13,375<br>311   | 484<br>24   |
| 1309354 .....                          | 6                     | NDN-AI DAUGHTERS | 7         | 14,397    | 4.0                 | 578       |                   |                 |             |
| STATES- 23                             | 6                     | WITH HERD-MATES  | 7         | 14,397    | 4.0                 | 578       | 10<br>DIFF.       | 15,253<br>856-  | 588<br>10-  |



## SIRE OF DHIA DAUGHTERS

| Sires of DHA Daughters                          |  |  |  | AV. RECORDS            | PRODUCTION MILK L8 | OF TEST %     | DAU. FAT L8 | ADJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 FAT L8 |        |     |
|---|--|--|--|------------------------|--------------------|---------------|-------------|-----------------|--------------------|------------|------------------------------|--------|-----|
| HOLSTEIN  |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| 1310247 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 42                                      |  |  |  | 10 10 NON-AI DAUGHTERS | 10 10              | 12,804 12,804 | 4.0 4.0     | 513 513         | 16 13,036          | 498 232-   | 15                           |        |     |
| 1310289 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 50,51                                   |  |  |  | 5 5 NON-AI DAUGHTERS   | 5 5                | 11,946 11,946 | 3.6 3.6     | 432 432         | 15 12,070          | 441 124-   | 9-                           |        |     |
| 1310348 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 41                                      |  |  |  | 10 10 NON-AI DAUGHTERS | 10 6               | 10,697 10,157 | 3.6 3.7     | 385 375         | 9 11,072           | 393 915-   | 18-                          |        |     |
| 1310398 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 13                                      |  |  |  | 5 5 NON-AI DAUGHTERS   | 7 7                | 14,742 14,742 | 4.1 4.1     | 601 601         | 29 12,887          | 510 1855   | 91                           |        |     |
| 1310426 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 11,34                                   |  |  |  | 6 6 NON-AI DAUGHTERS   | 8 8                | 12,686 12,686 | 4.1 4.1     | 514 514         | 22 14,559          | 558 1873-  | 44-                          |        |     |
| 1310471 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 35                                      |  |  |  | 5 5 NON-AI DAUGHTERS   | 5 5                | 13,264 13,264 | 3.7 3.7     | 497 497         | 18 13,188          | 473 76     | 24                           |        |     |
| 1310604 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 21                                      |  |  |  | 10 10 NON-AI DAUGHTERS | 10 10              | 12,051 12,051 | 3.6 3.6     | 439 439         | 10 13,862          | 510 1811-  | 71-                          |        |     |
| 1310651 RAY-LCU BELWAYNE 80XER.....             |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| 05-25-57 905683 2531822 87 AI DAUGHTERS         |  |  |  |                        | 104 103            | 13,311 13,321 | 3.5 3.6     | 472 473         | 19 13,700          | 496 379-   | 23-                          | 11,941 | 428 |
| AI STUD, 21-01 LISTED, 08-63 87 WITH HERO-MATES |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 13,21                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| 1310678 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 11                                      |  |  |  | 5 5 NON-AI DAUGHTERS   | 6 6                | 13,110 13,110 | 3.7 3.7     | 487 487         | 5 13,218           | 492 108-   | 5-                           |        |     |
| 1310701 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 57                                      |  |  |  | 8 8 NON-AI DAUGHTERS   | 11 11              | 13,930 13,930 | 3.9 3.9     | 540 540         | 32 14,066          | 524 136-   | 16                           |        |     |
| 1310711 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 31                                      |  |  |  | 6 6 NON-AI DAUGHTERS   | 7 7                | 10,820 10,820 | 3.7 3.7     | 403 403         | 5 11,407           | 424 587-   | 21-                          |        |     |
| 1310756 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 21                                      |  |  |  | 6 6 NON-AI DAUGHTERS   | 8 8                | 14,521 14,521 | 3.5 3.5     | 504 504         | 10 14,926          | 527 405-   | 23-                          |        |     |
| 1310757 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 23                                      |  |  |  | 7 7 NON-AI DAUGHTERS   | 7 7                | 14,534 14,534 | 3.6 3.6     | 527 527         | 10 14,222          | 536 312    | 9-                           |        |     |
| 1310916 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 35                                      |  |  |  | 10 10 NON-AI DAUGHTERS | 10 10              | 13,404 13,404 | 3.4 3.4     | 459 459         | 15 12,654          | 456 750    | 3                            |        |     |
| 1310956 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 23                                      |  |  |  | 6 6 NON-AI DAUGHTERS   | 6 6                | 12,680 12,680 | 3.5 3.5     | 444 444         | 8 13,313           | 485 633-   | 41-                          |        |     |
| 1310976 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 21                                      |  |  |  | 6 6 NON-AI DAUGHTERS   | 7 7                | 12,174 12,174 | 3.6 3.6     | 441 441         | 10 14,033          | 509 1859-  | 68-                          |        |     |
| 1311000 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 57                                      |  |  |  | 5 5 NON-AI DAUGHTERS   | 6 6                | 12,750 12,750 | 3.6 3.6     | 454 454         | 123 10,425         | 387 2325   | 67                           |        |     |
| 1311023 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 27                                      |  |  |  | 5 5 NON-AI DAUGHTERS   | 5 5                | 14,298 14,298 | 4.0 4.0     | 566 566         | 18 13,474          | 522 824    | 44                           |        |     |
| 1311041 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 33                                      |  |  |  | 6 6 NON-AI DAUGHTERS   | 7 7                | 13,482 13,482 | 3.6 3.6     | 486 486         | 5 13,716           | 490 234-   | 4-                           |        |     |
| 1311044 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 21                                      |  |  |  | 6 6 NON-AI DAUGHTERS   | 6 6                | 14,123 14,123 | 3.5 3.5     | 497 497         | 15 14,486          | 534 363-   | 37-                          |        |     |
| 1311138 .....                                   |  |  |  |                        |                    |               |             |                 |                    |            |                              |        |     |
| STATES- 21                                      |  |  |  | 8 8 NON-AI DAUGHTERS   | 8 8                | 12,781 12,781 | 4.2 4.2     | 541 541         | 22 14,252          | 519 1471-  | 22                           |        |     |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                                     |                     |    | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | AOJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|--|---------------------|----|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 1311212 .....                                | 5 NON-AI DAUGHTERS  | 5  | 13,088      | 3.4                   | 439    |             |                 |                    |            |                       |            |
| STATES- 33                                   | 5 WITH HERD-MATES   | 5  | 13,088      | 3.4                   | 439    |             | 14 OIFF.        | 13,598 510-        | 482 43-    |                       |            |
| 1311261 .....                                | 6 NON-AI DAUGHTERS  | 7  | 7,758       | 4.0                   | 309    |             |                 |                    |            |                       |            |
| STATES- 51                                   | 5 WITH HERD-MATES   | 6  | 7,920       | 4.0                   | 319    |             | 8 OIFF.         | 10,001 2081-       | 375 56-    |                       |            |
| 1311264 .....                                | 6 NON-AI DAUGHTERS  | 6  | 17,610      | 3.7                   | 646    |             |                 |                    |            |                       |            |
| STATES- 41                                   | 6 WITH HERD-MATES   | 6  | 17,610      | 3.7                   | 646    |             | 25 OIFF.        | 14,598 3012        | 546 100    |                       |            |
| 1311307 .....                                | 5 NON-AI DAUGHTERS  | 5  | 13,724      | 3.6                   | 498    |             |                 |                    |            |                       |            |
| STATES- 82                                   | 5 WITH HERD-MATES   | 5  | 13,724      | 3.6                   | 498    |             | 3 OIFF.         | 14,114 390-        | 505 7-     |                       |            |
| 1311308 .....                                | 15 NON-AI DAUGHTERS | 15 | 13,797      | 3.9                   | 540    |             |                 |                    |            |                       |            |
| STATES- 82,87                                | 15 WITH HERD-MATES  | 15 | 13,797      | 3.9                   | 540    |             | 9 OIFF.         | 13,524 273         | 483 57     |                       |            |
| 1311356 .....                                | 5 NON-AI DAUGHTERS  | 7  | 12,368      | 3.7                   | 463    |             |                 |                    |            |                       |            |
| STATES- 35                                   | 5 WITH HERD-MATES   | 7  | 12,368      | 3.7                   | 463    |             | 27 OIFF.        | 11,468 900         | 434 29     |                       |            |
| 1311390 .....                                | 5 NON-AI DAUGHTERS  | 6  | 13,857      | 3.4                   | 475    |             |                 |                    |            |                       |            |
| STATES- 23                                   | 5 WITH HERD-MATES   | 6  | 13,857      | 3.4                   | 475    |             | 14 OIFF.        | 11,846 2011        | 438 37     |                       |            |
| 1311429 TAGALONG BURKGOV DAGAN.....          |                     |    |             |                       |        |             |                 |                    |            |                       |            |
| 11-24-57 1038509 3320066                     | 10 AI DAUGHTERS     | 10 | 14,424      | 3.5                   | 509    |             |                 |                    |            |                       |            |
| AI STUO, 41-01 LISTED, 08-63                 | 10 WITH HERD-MATES  | 10 | 14,424      | 3.5                   | 509    |             | 26 OIFF.        | 12,688 1736        | 457 52     | 12,941                | 468        |
| STATES- 41,46                                |                     |    |             |                       |        |             |                 |                    |            |                       |            |
| 1311436 .....                                | 5 NON-AI DAUGHTERS  | 6  | 12,999      | 3.5                   | 453    |             |                 |                    |            |                       |            |
| STATES- 23,35                                | 5 WITH HERD-MATES   | 6  | 12,999      | 3.5                   | 453    |             | 12 OIFF.        | 13,295 296-        | 491 38-    |                       |            |
| 1311564 .....                                | 9 NON-AI DAUGHTERS  | 10 | 13,017      | 3.5                   | 454    |             |                 |                    |            |                       |            |
| AI STUO, 42-02                               | 9 WITH HERD-MATES   | 10 | 13,017      | 3.5                   | 454    |             | 8 OIFF.         | 12,881 136         | 475 21-    |                       |            |
| STATES- 42                                   |                     |    |             |                       |        |             |                 |                    |            |                       |            |
| 1311579 .....                                | 7 NON-AI DAUGHTERS  | 7  | 14,359      | 3.4                   | 485    |             |                 |                    |            |                       |            |
| STATES- 35                                   | 4 WITH HERD-MATES   | 4  | 14,333      | 3.4                   | 481    |             | 7 OIFF.         | 12,856 1477        | 462 19     |                       |            |
| 1311588 .....                                | 8 NON-AI DAUGHTERS  | 8  | 11,313      | 3.8                   | 426    |             |                 |                    |            |                       |            |
| STATES- 33,35,56                             | 8 WITH HERD-MATES   | 8  | 11,313      | 3.8                   | 426    |             | 11 OIFF.        | 11,973 660-        | 443 17-    |                       |            |
| 1311604 .....                                | 5 NON-AI DAUGHTERS  | 5  | 16,530      | 3.4                   | 560    |             |                 |                    |            |                       |            |
| STATES- 31                                   | 5 WITH HERD-MATES   | 5  | 16,530      | 3.4                   | 560    |             | 13 OIFF.        | 13,481 3049        | 479 81     |                       |            |
| 1311607 .....                                | 6 NON-AI DAUGHTERS  | 6  | 13,345      | 3.6                   | 476    |             |                 |                    |            |                       |            |
| STATES- 47,48                                | 6 WITH HERD-MATES   | 6  | 13,345      | 3.6                   | 476    |             | 6 OIFF.         | 13,789 444-        | 507 31-    |                       |            |
| 1311632 .....                                | 5 NON-AI DAUGHTERS  | 6  | 14,563      | 3.6                   | 522    |             |                 |                    |            |                       |            |
| STATES- 34                                   | 5 WITH HERD-MATES   | 6  | 14,563      | 3.6                   | 522    |             | 9 OIFF.         | 13,877 686         | 505 17     |                       |            |
| 1311652 .....                                | 13 NON-AI DAUGHTERS | 13 | 12,726      | 3.3                   | 422    |             |                 |                    |            |                       |            |
| STATES- 91,92                                | 11 WITH HERD-MATES  | 11 | 12,777      | 3.3                   | 421    |             | 12 OIFF.        | 13,756 979-        | 475 54-    |                       |            |
| 1311744 .....                                | 6 NON-AI DAUGHTERS  | 7  | 13,083      | 4.0                   | 524    |             |                 |                    |            |                       |            |
| STATES- 35                                   | 6 WITH HERD-MATES   | 7  | 13,083      | 4.0                   | 524    |             | 18 OIFF.        | 12,913 170         | 481 43     |                       |            |
| 1311768 .....                                | 5 NON-AI DAUGHTERS  | 5  | 13,122      | 3.9                   | 509    |             |                 |                    |            |                       |            |
| STATES- 12                                   | 5 WITH HERD-MATES   | 5  | 13,122      | 3.9                   | 509    |             | 11 OIFF.        | 14,392 1270-       | 526 17-    |                       |            |
| 1311794 SKOKIE DUNLOGGIN 80Y.....            |                     |    |             |                       |        |             |                 |                    |            |                       |            |
| 11-27-57 1282185 3395112                     | 35 AI DAUGHTERS     | 35 | 11,845      | 3.9                   | 460    |             |                 |                    |            |                       |            |
| AI STUO, 33-03 LISTED, 08-63                 | 33 WITH HERD-MATES  | 33 | 11,834      | 3.9                   | 464    |             | 13 OIFF.        | 13,073 1239-       | 485 21-    | 11,299                | 432        |
| STATES- 12,21,23,31,32,33,34, 41,42,50,52,91 |                     |    |             |                       |        |             |                 |                    |            |                       |            |
| 1311818 .....                                | 5 NON-AI DAUGHTERS  | 6  | 14,919      | 3.5                   | 523    |             |                 |                    |            |                       |            |
| STATES- 31,32                                | 5 WITH HERD-MATES   | 6  | 14,919      | 3.5                   | 523    |             | 7 OIFF.         | 13,105 1814        | 469 54     |                       |            |
| 1311826 .....                                | 6 NON-AI DAUGHTERS  | 6  | 14,032      | 3.8                   | 532    |             |                 |                    |            |                       |            |
| STATES- 23                                   | 6 WITH HERD-MATES   | 6  | 14,032      | 3.8                   | 532    |             | 17 OIFF.        | 13,344 688         | 524 8      |                       |            |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   |    |                  |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--|----|------------------|-----|------------------------|---------------------|-------------------|
|  |    |                  |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|  |    |                  |     | NUMBER LB % LB         | NUMBER LB LB        | LB LB             |
| 1311990 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 23                                       | 5  | NON-AI DAUGHTERS | 6   | 15,259 3.7 572         |                     |                   |
|  | 5  | WITH HERD-MATES  | 6   | 15,259 3.7 572         | 14 14,522 525       |                   |
|  |    |                  |     |                        | DIFF. 737 47        |                   |
| 1312008 GEDBETH ARABEL BEN.....                  |    |                  |     |                        |                     |                   |
| 09-25-57 905683 3703457 104 AI DAUGHTERS         |    |                  | 108 | 13,684 3.8 518         |                     |                   |
| AI STUD, 21-01 LISTED, 08-63 103 WITH HERD-MATES |    |                  | 106 | 13,651 3.8 516         | 17 13,550 492       | 12,350 470        |
| STATES- 13,21,23                                 |    |                  |     |                        | DIFF. 101 24        |                   |
| 1312009 GEDBETH 8ELWALLACE BASIL.....            |    |                  |     |                        |                     |                   |
| 11-15-57 905683 3651027 55 AI DAUGHTERS          |    |                  | 62  | 12,502 3.5 436         |                     |                   |
| AI STUD, 21-01 LISTED, 08-63 55 WITH HERD-MATES  |    |                  | 62  | 12,502 3.5 436         | 19 13,601 490       | 11,354 404        |
| STATES- 13,21                                    |    |                  |     |                        | DIFF. 1099- 54-     |                   |
|  | 1  | NDN-AI DAUGHTERS | 1   | 12,260 3.3 408         |                     |                   |
|  | 1  | WITH HERD-MATES  | 1   | 12,260 3.3 408         | 6 12,545 437        |                   |
|  |    |                  |     |                        | DIFF. 285- 29-      |                   |
| 1312024 WALSTONS BURKE IDEAL A P -TWIN-.....     |    |                  |     |                        |                     |                   |
| 09-17-57 1013415 2996399 12 NDN-AI DAUGHTERS     |    |                  | 13  | 15,619 3.4 531         |                     |                   |
| AI STUD, 42-02 LISTED, 08-63 12 WITH HERD-MATES  |    |                  | 13  | 15,619 3.4 531         | 8 13,787 493        |                   |
| STATES- 42                                       |    |                  |     |                        | DIFF. 1832 38       |                   |
| 1312078 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 56                                       | 7  | NDN-AI DAUGHTERS | 7   | 8,607 3.6 309          |                     |                   |
|  | 7  | WITH HERD-MATES  | 7   | 8,607 3.6 309          | 38 9,405 327        |                   |
|  |    |                  |     |                        | DIFF. 798- 18-      |                   |
| 1312188 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 34                                       | 6  | NDN-AI DAUGHTERS | 6   | 8,815 4.1 358          |                     |                   |
|  | 6  | WITH HERD-MATES  | 6   | 8,815 4.1 358          | 5 10,191 375        |                   |
|  |    |                  |     |                        | DIFF. 1376- 17-     |                   |
| 1312218 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 23                                       | 7  | NDN-AI DAUGHTERS | 7   | 13,111 3.6 466         |                     |                   |
|  | 7  | WITH HERD-MATES  | 7   | 13,111 3.6 466         | 28 12,562 467       |                   |
|  |    |                  |     |                        | DIFF. 549 1-        |                   |
| 1312268 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 61                                       | 5  | NDN-AI DAUGHTERS | 5   | 13,544 3.7 501         |                     |                   |
|  | 5  | WITH HERD-MATES  | 5   | 13,544 3.7 501         | 17 12,352 493       |                   |
|  |    |                  |     |                        | DIFF. 1192 8        |                   |
| 1312279 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 21                                       | 5  | NDN-AI DAUGHTERS | 5   | 13,534 3.9 530         |                     |                   |
|  | 5  | WITH HERD-MATES  | 5   | 13,534 3.9 530         | 69 14,710 558       |                   |
|  |    |                  |     |                        | DIFF. 1176- 28-     |                   |
| 1312298 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 42                                       | 10 | NDN-AI DAUGHTERS | 10  | 13,411 3.4 452         |                     |                   |
|  | 8  | WITH HERD-MATES  | 8   | 14,030 3.3 461         | 7 13,686 453        |                   |
|  |    |                  |     |                        | DIFF. 344 8         |                   |
| 1312326 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 23                                       | 11 | NDN-AI DAUGHTERS | 12  | 14,428 4.0 574         |                     |                   |
|  | 10 | WITH HERD-MATES  | 11  | 15,122 4.0 603         | 11 15,189 527       |                   |
|  |    |                  |     |                        | DIFF. 67- 76        |                   |
| 1312328 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 14                                       | 5  | NDN-AI DAUGHTERS | 5   | 13,044 3.7 480         |                     |                   |
|  | 5  | WITH HERD-MATES  | 5   | 13,044 3.7 480         | 29 13,596 493       |                   |
|  |    |                  |     |                        | DIFF. 552- 13-      |                   |
| 1312386 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 21                                       | 5  | NDN-AI DAUGHTERS | 5   | 13,028 3.5 461         |                     |                   |
|  | 5  | WITH HERD-MATES  | 5   | 13,028 3.5 461         | 11 13,193 470       |                   |
|  |    |                  |     |                        | DIFF. 165- 9-       |                   |
| 1312475 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 52                                       | 5  | NDN-AI DAUGHTERS | 5   | 14,394 3.6 525         |                     |                   |
|  | 5  | WITH HERD-MATES  | 5   | 14,394 3.6 525         | 31 13,790 512       |                   |
|  |    |                  |     |                        | DIFF. 604 13        |                   |
| 1312501 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 51                                       | 17 | NDN-AI DAUGHTERS | 21  | 11,255 4.1 458         |                     |                   |
|  | 17 | WITH HERD-MATES  | 21  | 11,255 4.1 458         | 17 11,200 425       |                   |
|  |    |                  |     |                        | DIFF. 55 33         |                   |
| 1312593 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 35                                       | 6  | NDN-AI DAUGHTERS | 6   | 13,412 3.8 514         |                     |                   |
|  | 6  | WITH HERD-MATES  | 6   | 13,412 3.8 514         | 15 12,365 454       |                   |
|  |    |                  |     |                        | DIFF. 1047 60       |                   |
| 1312619 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 21                                       | 8  | NDN-AI DAUGHTERS | 9   | 14,676 3.5 513         |                     |                   |
|  | 8  | WITH HERD-MATES  | 9   | 14,676 3.5 513         | 32 12,869 470       |                   |
|  |    |                  |     |                        | DIFF. 1807 43       |                   |
| 1312627 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 34                                       | 8  | NDN-AI DAUGHTERS | 9   | 12,253 3.7 456         |                     |                   |
|  | 8  | WITH HERD-MATES  | 9   | 12,253 3.7 456         | 12 11,599 418       |                   |
|  |    |                  |     |                        | DIFF. 654 38        |                   |
| 1312650 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 33,35                                    | 6  | NDN-AI DAUGHTERS | 6   | 11,210 3.6 404         |                     |                   |
|  | 6  | WITH HERD-MATES  | 6   | 11,210 3.6 404         | 15 11,530 401       |                   |
|  |    |                  |     |                        | DIFF. 320- 3        |                   |
| 1312676 .....                                    |    |                  |     |                        |                     |                   |
| STATES- 41,47                                    | 5  | NDN-AI DAUGHTERS | 5   | 13,824 3.6 501         |                     |                   |
|  | 5  | WITH HERD-MATES  | 5   | 13,824 3.6 501         | 8 13,718 492        |                   |
|  |    |                  |     |                        | DIFF. 106 9         |                   |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                     |                                |                   | AV. PRDUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|------------------------------|--------------------------------|-------------------|-----------------------|---------------------|---------------|
|                              |                                |                   | RECORDS MILK TEST FAT | AV. MILK FAT        | MILK FAT      |
|                              |                                |                   | NUMBER LB % LB        | NUMBER LB LB        | LB LB         |
| 1312684                      | .....                          |                   |                       |                     |               |
| STATES- 21                   | 5 NDN-AI DAUGHTERS             | 6 12,771 3.5 453  |                       |                     |               |
|                              | 5 WITH HERD-MATES              | 6 12,771 3.5 453  | 15                    | 15,764              | 559           |
|                              |                                |                   | DIFF.                 | 2993-               | 106-          |
| 1312766                      | .....                          |                   |                       |                     |               |
| STATES- 21                   | 5 NDN-AI DAUGHTERS             | 6 14,105 3.8 532  |                       |                     |               |
|                              | 4 WITH HERD-MATES              | 5 15,024 3.8 568  | 18                    | 14,785              | 536           |
|                              |                                |                   | DIFF.                 | 239                 | 32            |
| 1312780                      | .....                          |                   |                       |                     |               |
| STATES- 23                   | 7 NDN-AI DAUGHTERS             | 7 13,516 3.8 518  |                       |                     |               |
|                              | 7 WITH HERD-MATES              | 7 13,516 3.8 518  | 8                     | 13,041              | 497           |
|                              |                                |                   | DIFF.                 | 475                 | 21            |
| 1312839                      | .....                          |                   |                       |                     |               |
| STATES- 48                   | 6 NDN-AI DAUGHTERS             | 7 13,348 3.6 477  |                       |                     |               |
|                              | 5 WITH HERD-MATES              | 6 13,828 3.6 494  | 6                     | 13,183              | 479           |
|                              |                                |                   | DIFF.                 | 645                 | 15            |
| 1312841                      | .....                          |                   |                       |                     |               |
| STATES- 13,21                | 5 NDN-AI DAUGHTERS             | 5 11,402 3.6 413  |                       |                     |               |
|                              | 5 WITH HERD-MATES              | 5 11,402 3.6 413  | 33                    | 13,384              | 462           |
|                              |                                |                   | DIFF.                 | 1982-               | 49-           |
| 1312865                      | .....                          |                   |                       |                     |               |
| STATES- 51,52                | 12 NDN-AI DAUGHTERS            | 12 10,557 3.9 412 |                       |                     |               |
|                              | 12 WITH HERD-MATES             | 12 10,557 3.9 412 | 40                    | 12,620              | 491           |
|                              |                                |                   | DIFF.                 | 2063-               | 79-           |
| 1312889                      | .....                          |                   |                       |                     |               |
| STATES- 12,21                | 6 NDN-AI DAUGHTERS             | 7 11,538 3.7 428  |                       |                     |               |
|                              | 6 WITH HERD-MATES              | 7 11,538 3.7 428  | 13                    | 12,081              | 458           |
|                              |                                |                   | DIFF.                 | 543-                | 30-           |
| 1312922                      | .....                          |                   |                       |                     |               |
| STATES- 32                   | 5 NDN-AI DAUGHTERS             | 5 12,370 3.6 445  |                       |                     |               |
|                              | 5 WITH HERD-MATES              | 5 12,370 3.6 445  | 8                     | 13,423              | 478           |
|                              |                                |                   | DIFF.                 | 1053-               | 33-           |
| 1312925                      | .....                          |                   |                       |                     |               |
| AI STUD, 22-03               | 11 AI DAUGHTERS                | 11 13,551 3.5 481 |                       |                     |               |
| STATES- 22                   | 11 WITH HERD-MATES             | 11 13,551 3.5 481 | 64                    | 11,422              | 415           |
|                              |                                |                   | DIFF.                 | 2129                | 66            |
| 1312981                      | SHAW'S SCHOOLMASTER CRETE..... |                   |                       |                     |               |
| 11-21-57 1181068 2988339     | 36 AI DAUGHTERS                | 37 13,294 3.6 473 |                       |                     |               |
| AI STUD, 61-01 LISTED, 08-63 | 35 WITH HERD-MATES             | 36 13,252 3.5 470 | 18                    | 12,735              | 461           |
| STATES- 61                   |                                |                   | DIFF.                 | 517                 | 9             |
|                              | 3 NDN-AI DAUGHTERS             | 3 13,607 3.9 525  |                       |                     |               |
|                              | 3 WITH HERD-MATES              | 3 13,607 3.9 525  | 28                    | 12,750              | 463           |
|                              |                                |                   | DIFF.                 | 857                 | 62            |
| 1312987                      | .....                          |                   |                       |                     |               |
| STATES- 11                   | 6 NDN-AI DAUGHTERS             | 8 10,307 4.1 426  |                       |                     |               |
|                              | 6 WITH HERD-MATES              | 8 10,307 4.1 426  | 16                    | 10,923              | 416           |
|                              |                                |                   | DIFF.                 | 616-                | 10            |
| 1313054                      | .....                          |                   |                       |                     |               |
| STATES- 21                   | 5 NDN-AI DAUGHTERS             | 5 11,442 3.7 417  |                       |                     |               |
|                              | 5 WITH HERD-MATES              | 5 11,422 3.7 417  | 26                    | 13,341              | 489           |
|                              |                                |                   | DIFF.                 | 1919-               | 72-           |
| 1313097                      | .....                          |                   |                       |                     |               |
| STATES- 41                   | 13 NDN-AI DAUGHTERS            | 13 10,352 3.8 395 |                       |                     |               |
|                              | 13 WITH HERD-MATES             | 13 10,352 3.8 395 | 16                    | 11,638              | 425           |
|                              |                                |                   | DIFF.                 | 1286-               | 30-           |
| 1313338                      | .....                          |                   |                       |                     |               |
| STATES- 23                   | 8 NDN-AI DAUGHTERS             | 8 15,334 3.8 581  |                       |                     |               |
|                              | 8 WITH HERD-MATES              | 8 15,334 3.8 581  | 23                    | 13,973              | 518           |
|                              |                                |                   | DIFF.                 | 1361                | 63            |
| 1313339                      | .....                          |                   |                       |                     |               |
| STATES- 57                   | 9 NDN-AI DAUGHTERS             | 9 13,701 3.4 472  |                       |                     |               |
|                              | 9 WITH HERD-MATES              | 9 13,701 3.4 472  | 5                     | 13,246              | 482           |
|                              |                                |                   | DIFF.                 | 455                 | 10-           |
| 1313340                      | .....                          |                   |                       |                     |               |
| STATES- 22                   | 6 NDN-AI DAUGHTERS             | 6 12,875 3.7 471  |                       |                     |               |
|                              | 6 WITH HERD-MATES              | 6 12,875 3.7 471  | 6                     | 11,508              | 420           |
|                              |                                |                   | DIFF.                 | 1367                | 51            |
| 1313355                      | .....                          |                   |                       |                     |               |
| STATES- 35,41                | 7 NDN-AI DAUGHTERS             | 7 14,293 3.6 512  |                       |                     |               |
|                              | 7 WITH HERD-MATES              | 7 14,293 3.6 512  | 8                     | 12,705              | 486           |
|                              |                                |                   | DIFF.                 | 1588                | 26            |
| 1313371                      | .....                          |                   |                       |                     |               |
| STATES- 91                   | 9 NDN-AI DAUGHTERS             | 9 14,970 3.6 536  |                       |                     |               |
|                              | 9 WITH HERD-MATES              | 9 14,970 3.6 536  | 3                     | 13,468              | 482           |
|                              |                                |                   | DIFF.                 | 1502                | 54            |
| 1313417                      | .....                          |                   |                       |                     |               |
| STATES- 51                   | 6 NDN-AI DAUGHTERS             | 7 10,352 3.9 404  |                       |                     |               |
|                              | 6 WITH HERD-MATES              | 7 10,352 3.9 404  | 17                    | 12,890              | 478           |
|                              |                                |                   | DIFF.                 | 2538-               | 74-           |
| 1313490                      | .....                          |                   |                       |                     |               |
| AI STUD, 33-03               | 12 AI DAUGHTERS                | 12 14,451 3.7 532 |                       |                     |               |
| STATES- 13,21,23,33,41,42,51 | 10 WITH HERD-MATES             | 10 15,208 3.7 559 | 15                    | 13,801              | 512           |
|                              |                                |                   | DIFF.                 | 1407                | 47            |
|                              | 1 NDN-AI DAUGHTERS             | 1 14,310 4.1 584  |                       |                     |               |
|                              | 1 WITH HERD-MATES              | 1 14,310 4.1 584  | 18                    | 14,608              | 548           |
|                              |                                |                   | DIFF.                 | 298-                | 36            |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN            | AV. PRODUCTION OF  |      |        |     | ADJ. HERO-MATES AV. |       |        | PREDICTED AV. |     |
|---------------------|--------------------|------|--------|-----|---------------------|-------|--------|---------------|-----|
|                     | RECORDS            | MILK | TEST   | FAT | NUMBER              | MILK  | FAT    | MILK          | FAT |
|                     | NUMBER             | L8   | %      | L8  |                     | L8    | L8     | L8            | L8  |
| 1313498 .....       | 7 NON-AI DAUGHTERS | 8    | 11,736 | 3.6 | 419                 |       |        |               |     |
| STATES- 42          | 7 WITH HERD-MATES  | 8    | 11,736 | 3.6 | 419                 | 7     | 10,828 | 380           |     |
|                     |                    |      |        |     |                     | DIFF. | 908    | 39            |     |
| 1313502 .....       | 8 NON-AI DAUGHTERS | 8    | 14,283 | 3.9 | 563                 |       |        |               |     |
| STATES- 23          | 8 WITH HERD-MATES  | 8    | 14,283 | 3.9 | 563                 | 21    | 12,649 | 497           |     |
|                     |                    |      |        |     |                     | DIFF. | 1634   | 66            |     |
| 1313533 .....       | 5 NON-AI DAUGHTERS | 5    | 15,926 | 3.1 | 499                 |       |        |               |     |
| STATES- 32          | 5 WITH HERD-MATES  | 5    | 15,926 | 3.1 | 499                 | 16    | 13,770 | 490           |     |
|                     |                    |      |        |     |                     | DIFF. | 2156   | 9             |     |
| 1313603 .....       | 8 NON-AI DAUGHTERS | 11   | 12,948 | 3.8 | 488                 |       |        |               |     |
| STATES- 41          | 8 WITH HERD-MATES  | 11   | 12,948 | 3.8 | 488                 | 5     | 12,388 | 449           |     |
|                     |                    |      |        |     |                     | DIFF. | 560    | 39            |     |
| 1313618 .....       | 5 NON-AI DAUGHTERS | 5    | 9,874  | 3.9 | 385                 |       |        |               |     |
| STATES- 21          | 5 WITH HERD-MATES  | 5    | 9,874  | 3.9 | 385                 | 52    | 12,681 | 453           |     |
|                     |                    |      |        |     |                     | DIFF. | 2807-  | 68-           |     |
| 1313689 .....       | 6 NON-AI DAUGHTERS | 7    | 14,638 | 3.6 | 524                 |       |        |               |     |
| STATES- 42          | 6 WITH HERD-MATES  | 7    | 14,638 | 3.6 | 524                 | 17    | 13,663 | 502           |     |
|                     |                    |      |        |     |                     | DIFF. | 975    | 22            |     |
| 1313852 .....       | 7 NON-AI DAUGHTERS | 7    | 12,190 | 4.1 | 495                 |       |        |               |     |
| STATES- 23          | 7 WITH HERD-MATES  | 7    | 12,190 | 4.1 | 495                 | 30    | 14,168 | 504           |     |
|                     |                    |      |        |     |                     | DIFF. | 1978-  | 9-            |     |
| 1313886 .....       | 6 NON-AI DAUGHTERS | 6    | 14,252 | 3.8 | 548                 |       |        |               |     |
| STATES- 35          | 6 WITH HERD-MATES  | 6    | 14,252 | 3.8 | 548                 | 7     | 12,604 | 476           |     |
|                     |                    |      |        |     |                     | DIFF. | 1648   | 72            |     |
| 1313933 .....       | 6 NON-AI DAUGHTERS | 8    | 12,265 | 3.6 | 446                 |       |        |               |     |
| STATES- 21,23       | 6 WITH HERD-MATES  | 8    | 12,265 | 3.6 | 446                 | 11    | 13,901 | 530           |     |
|                     |                    |      |        |     |                     | DIFF. | 1636-  | 84-           |     |
| 1313966 .....       | 6 NON-AI DAUGHTERS | 6    | 14,323 | 3.4 | 490                 |       |        |               |     |
| STATES- 21,51       | 6 WITH HERD-MATES  | 6    | 14,323 | 3.4 | 490                 | 18    | 13,593 | 506           |     |
|                     |                    |      |        |     |                     | DIFF. | 730    | 16-           |     |
| 1313976 .....       | 5 NON-AI DAUGHTERS | 5    | 13,774 | 4.2 | 585                 |       |        |               |     |
| STATES- 35          | 5 WITH HERD-MATES  | 5    | 13,774 | 4.2 | 585                 | 21    | 14,828 | 606           |     |
|                     |                    |      |        |     |                     | DIFF. | 1054-  | 21-           |     |
| 1314020 .....       | 6 NON-AI DAUGHTERS | 7    | 12,005 | 3.4 | 406                 |       |        |               |     |
| STATES- 33          | 6 WITH HERD-MATES  | 7    | 12,005 | 3.4 | 406                 | 6     | 11,523 | 408           |     |
|                     |                    |      |        |     |                     | DIFF. | 482    | 2-            |     |
| 1314041 .....       | 5 NON-AI DAUGHTERS | 5    | 15,306 | 3.8 | 581                 |       |        |               |     |
| STATES- 41,46       | 5 WITH HERD-MATES  | 5    | 15,306 | 3.8 | 581                 | 30    | 13,910 | 518           |     |
|                     |                    |      |        |     |                     | DIFF. | 1396   | 63            |     |
| 1314075 .....       | 6 NON-AI DAUGHTERS | 6    | 13,828 | 3.6 | 499                 |       |        |               |     |
| STATES- 35,82,83,87 | 6 WITH HERD-MATES  | 6    | 13,828 | 3.6 | 499                 | 9     | 12,411 | 453           |     |
|                     |                    |      |        |     |                     | DIFF. | 1417   | 46            |     |
| 1314085 .....       | 6 NON-AI DAUGHTERS | 8    | 16,112 | 3.9 | 622                 |       |        |               |     |
| STATES- 74          | 6 WITH HERD-MATES  | 8    | 16,112 | 3.9 | 622                 | 14    | 16,025 | 597           |     |
|                     |                    |      |        |     |                     | DIFF. | 87     | 25            |     |
| 1314099 .....       | 5 NON-AI DAUGHTERS | 5    | 14,338 | 3.3 | 476                 |       |        |               |     |
| STATES- 42          | 4 WITH HERD-MATES  | 4    | 15,528 | 3.3 | 513                 | 12    | 13,746 | 482           |     |
|                     |                    |      |        |     |                     | DIFF. | 1782   | 31            |     |
| 1314131 .....       | 5 NON-AI DAUGHTERS | 6    | 14,595 | 3.8 | 548                 |       |        |               |     |
| STATES- 23          | 5 WITH HERD-MATES  | 6    | 14,595 | 3.8 | 548                 | 33    | 14,670 | 556           |     |
|                     |                    |      |        |     |                     | DIFF. | 75-    | 8-            |     |
| 1314157 .....       | 6 NON-AI DAUGHTERS | 7    | 9,674  | 3.8 | 372                 |       |        |               |     |
| STATES- 51          | 6 WITH HERD-MATES  | 7    | 9,674  | 3.8 | 372                 | 12    | 11,868 | 449           |     |
|                     |                    |      |        |     |                     | DIFF. | 2194-  | 77-           |     |
| 1314167 .....       | 7 NON-AI DAUGHTERS | 7    | 12,394 | 3.8 | 469                 |       |        |               |     |
| STATES- 21          | 7 WITH HERD-MATES  | 7    | 12,394 | 3.8 | 469                 | 14    | 12,794 | 464           |     |
|                     |                    |      |        |     |                     | DIFF. | 400-   | 5             |     |
| 1314187 .....       | 6 NON-AI DAUGHTERS | 6    | 11,605 | 3.7 | 433                 |       |        |               |     |
| STATES- 42          | 6 WITH HERD-MATES  | 6    | 11,605 | 3.7 | 433                 | 4     | 11,175 | 417           |     |
|                     |                    |      |        |     |                     | DIFF. | 430    | 16            |     |
| 1314326 .....       | 5 NON-AI DAUGHTERS | 6    | 15,956 | 4.3 | 683                 |       |        |               |     |
| STATES- 91          | 5 WITH HERD-MATES  | 6    | 15,956 | 4.3 | 683                 | 20    | 15,845 | 644           |     |
|                     |                    |      |        |     |                     | DIFF. | 111    | 39            |     |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   |                                |    | AV. PRODUCTION OF | DAU. | ADJ. HERO-MATES | AV.      | PREDICTED AV.             |
|--|--------------------------------|----|-------------------|------|-----------------|----------|---------------------------|
|  |                                |    | RECORDS           | MILK | TEST            | FAT      |                           |
|  |                                |    | NUMBER            | L8   | %               | L8       |                           |
| 1314327  | .....                          |    |                   |      |                 |          |                           |
| STATES- 87,91  | 9 NON-AI DAUGHTERS             | 9  | 15,349            | 4.2  | 646             |          |                           |
|  | 9 WITH HERO-MATES              | 9  | 15,349            | 4.2  | 646             | 24 DIFF. | 15,927 629 17             |
| 1314336  | WEEO FARMS 8EL EDWIN.....      |    |                   |      |                 |          |                           |
| 11-08-57 905683 3395276                                  | 30 AI DAUGHTERS                | 32 | 14,006            | 3.7  | 520             |          |                           |
| AI STUO, 21-01 LISTED, 08-63                             | 29 WITH HERO-MATES             | 30 | 14,223            | 3.7  | 527             | 21 DIFF. | 14,000 511 16 12,421 460  |
| STATES- 21,23  |                                |    |                   |      |                 |          |                           |
| 1314338  | .....                          |    |                   |      |                 |          |                           |
| STATES- 34   | 5 NON-AI DAUGHTERS             | 5  | 13,908            | 3.6  | 505             |          |                           |
|  | 5 WITH HERO-MATES              | 5  | 13,908            | 3.6  | 505             | 4 DIFF.  | 14,795 558 53-            |
| 1314384  | .....                          |    |                   |      |                 |          |                           |
| STATES- 21   | 6 NON-AI DAUGHTERS             | 6  | 15,690            | 3.8  | 574             |          |                           |
|  | 6 WITH HERO-MATES              | 6  | 15,090            | 3.8  | 574             | 45 DIFF. | 14,589 529 45             |
| 1314467  | .....                          |    |                   |      |                 |          |                           |
| STATES- 21   | 8 NON-AI DAUGHTERS             | 10 | 11,894            | 3.6  | 432             |          |                           |
|  | 8 WITH HERO-MATES              | 10 | 11,894            | 3.6  | 432             | 12 DIFF. | 13,265 504 72-            |
| 1314488  | .....                          |    |                   |      |                 |          |                           |
| STATES- 31   | 5 NON-AI DAUGHTERS             | 5  | 14,760            | 3.4  | 509             |          |                           |
|  | 5 WITH HERO-MATES              | 5  | 14,760            | 3.4  | 509             | 32 DIFF. | 13,673 481 28             |
| 1314510  | .....                          |    |                   |      |                 |          |                           |
| STATES- 33   | 6 NON-AI DAUGHTERS             | 6  | 9,685             | 3.7  | 363             |          |                           |
|  | 6 WITH HERO-MATES              | 6  | 9,685             | 3.7  | 363             | 26 DIFF. | 9,839 360 3               |
| 1314541  | .....                          |    |                   |      |                 |          |                           |
| STATES- 42   | 5 NON-AI DAUGHTERS             | 6  | 10,537            | 3.3  | 343             |          |                           |
|  | 5 WITH HERO-MATES              | 6  | 10,537            | 3.3  | 343             | 7 DIFF.  | 11,049 405 62-            |
| 1314600  | .....                          |    |                   |      |                 |          |                           |
| STATES- 91   | 10 NON-AI DAUGHTERS            | 11 | 16,838            | 3.5  | 581             |          |                           |
|  | 10 WITH HERO-MATES             | 10 | 16,807            | 3.4  | 579             | 27 DIFF. | 16,923 572 7              |
| 1314637  | .....                          |    |                   |      |                 |          |                           |
| STATES- 31   | 6 NON-AI DAUGHTERS             | 6  | 15,493            | 3.7  | 580             |          |                           |
|  | 6 WITH HERO-MATES              | 6  | 15,493            | 3.7  | 580             | 15 DIFF. | 15,241 555 25             |
| 1314649  | .....                          |    |                   |      |                 |          |                           |
| AI STUO, 41-01   | 9 AI DAUGHTERS                 | 9  | 12,610            | 3.4  | 425             |          |                           |
| STATES- 41,42  | 8 WITH HERO-MATES              | 8  | 12,508            | 3.4  | 429             | 32 DIFF. | 13,561 493 64- 11,771 420 |
| 1314689  | .....                          |    |                   |      |                 |          |                           |
| STATES- 42   | 5 NON-AI DAUGHTERS             | 7  | 11,661            | 3.6  | 418             |          |                           |
|  | 5 WITH HERO-MATES              | 6  | 12,176            | 3.7  | 445             | 13 DIFF. | 12,391 440 5              |
| 1314734  | .....                          |    |                   |      |                 |          |                           |
| STATES- 84   | 6 NON-AI DAUGHTERS             | 8  | 16,770            | 3.8  | 640             |          |                           |
|  | 6 WITH HERO-MATES              | 8  | 16,770            | 3.8  | 640             | 19 DIFF. | 17,456 618 22             |
| 1314751  | .....                          |    |                   |      |                 |          |                           |
| STATES- 46   | 11 NON-AI DAUGHTERS            | 11 | 14,071            | 3.5  | 493             |          |                           |
|  | 11 WITH HERO-MATES             | 11 | 14,071            | 3.5  | 493             | 28 DIFF. | 12,526 446 47             |
| 1314759  | .....                          |    |                   |      |                 |          |                           |
| AI STUO, 91-01   | 5 AI DAUGHTERS                 | 5  | 15,198            | 3.6  | 551             |          |                           |
| STATES- 91   | 4 WITH HERO-MATES              | 4  | 15,035            | 3.6  | 547             | 19 DIFF. | 13,505 527 20 12,552 451  |
|  | 1 NON-AI DAUGHTERS             | 1  | 15,510            | 3.2  | 501             |          |                           |
|  | 1 WITH HERO-MATES              | 1  | 15,510            | 3.2  | 501             | 29 DIFF. | 15,048 540 39-            |
| 1314764  | .....                          |    |                   |      |                 |          |                           |
| STATES- 35   | 6 NON-AI DAUGHTERS             | 6  | 14,340            | 3.2  | 460             |          |                           |
|  | 6 WITH HERO-MATES              | 6  | 14,340            | 3.2  | 460             | 17 DIFF. | 15,839 531 71-            |
| 1314767  | .....                          |    |                   |      |                 |          |                           |
| AI STUO, 35-05   | 5 NON-AI DAUGHTERS             | 5  | 13,450            | 3.9  | 525             |          |                           |
| STATES- 35   | 5 WITH HERO-MATES              | 5  | 13,450            | 3.9  | 525             | 9 DIFF.  | 13,609 501 24             |
| 1314816  | LILAC HILL CURTISS CHOICE..... |    |                   |      |                 |          |                           |
| 02-14-57 1024453 3239051                                 | 45 AI DAUGHTERS                | 45 | 11,816            | 3.7  | 443             |          |                           |
| AI STUO, 33-03 LISTED, 08-63                             | 42 WITH HERO-MATES             | 42 | 11,885            | 3.7  | 445             | 14 DIFF. | 12,398 458 13- 11,760 435 |
| STATES- 11,16,21,23,31,32,33, 34,35,41,42,51,52,55,61,64 |                                |    |                   |      |                 |          |                           |
| 1315135  | .....                          |    |                   |      |                 |          |                           |
| STATES- 23   | 16 NON-AI DAUGHTERS            | 16 | 13,324            | 3.5  | 468             |          |                           |
|  | 16 WITH HERO-MATES             | 16 | 13,324            | 3.5  | 468             | 12 DIFF. | 12,210 448 20             |
| 1315145  | .....                          |    |                   |      |                 |          |                           |
| STATES- 23,35,57   | 5 NON-AI DAUGHTERS             | 5  | 12,048            | 3.8  | 452             |          |                           |
|  | 5 WITH HERO-MATES              | 5  | 12,048            | 3.8  | 452             | 14 DIFF. | 12,460 462 10-            |

| SIRE OF DITA DAUGHTER              |                               |         |                  | AV. RECORDS      | PRODUCTION MILK LB | ON TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB FAT LB |            |
|------------------------------------|-------------------------------|---------|------------------|------------------|--------------------|-----------|-------------|-----------------|--------------------|------------|------------------------------|------------|
| HDLSTEIN                           |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| 1315170 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 21                            | 9       | NON-AI DAUGHTERS | 9                | 12,546             | 4.0       | 504         |                 |                    |            |                              |            |
|                                    |                               | 9       | WITH HERD-MATES  | 9                | 12,546             | 4.0       | 504         | 20              | 13,766             | 541        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1220-              | 37-        |                              |            |
| 1315191 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 32                            | 8       | NON-AI DAUGHTERS | 8                | 13,180             | 3.8       | 501         |                 |                    |            |                              |            |
|                                    |                               | 8       | WITH HERD-MATES  | 8                | 13,180             | 3.8       | 501         | 16              | 12,944             | 475        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 236                | 26         |                              |            |
| 1315215 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 42                            | 5       | NON-AI DAUGHTERS | 6                | 11,947             | 3.6       | 429         |                 |                    |            |                              |            |
|                                    |                               | 5       | WITH HERD-MATES  | 6                | 11,947             | 3.6       | 429         | 10              | 10,824             | 386        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1123               | 43         |                              |            |
| 1315253 PUGET SOUND CYCLONE.....   |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| 09-07-57                           | 1144238                       | 4031385 | 15               | NON-AI DAUGHTERS | 16                 | 15,239    | 3.6         | 544             |                    |            |                              |            |
| AI STUD, 35-02                     | LISTED, 08-63                 |         | 15               | WITH HERD-MATES  | 16                 | 15,239    | 3.6         | 544             | 13                 | 15,692     | 567                          |            |
| STATES-                            | 91                            |         |                  |                  |                    |           |             | DIFF.           | 453-               | 23-        |                              |            |
| 1315356 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 91                            | 12      | NON-AI DAUGHTERS | 13               | 17,578             | 3.4       | 603         |                 |                    |            |                              |            |
|                                    |                               | 9       | WITH HERD-MATES  | 9                | 18,301             | 3.4       | 626         | 14              | 15,708             | 542        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 2593               | 84         |                              |            |
| 1315379 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 47                            | 9       | NON-AI DAUGHTERS | 9                | 14,581             | 3.7       | 539         |                 |                    |            |                              |            |
|                                    |                               | 9       | WITH HERD-MATES  | 9                | 14,581             | 3.7       | 539         | 16              | 13,747             | 511        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 834                | 28         |                              |            |
| 1315423 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 93                            | 9       | NON-AI DAUGHTERS | 9                | 16,693             | 3.8       | 632         |                 |                    |            |                              |            |
|                                    |                               | 9       | WITH HERD-MATES  | 9                | 16,693             | 3.8       | 632         | 50              | 15,416             | 587        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 277                | 45         |                              |            |
| 1315498 SKOKIE NOEL.....           |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| 12-24-57                           | 1249424                       | 3425213 | 115              | AI DAUGHTERS     | 115                | 14,556    | 3.6         | 523             |                    |            |                              |            |
| AI STUD, 31-01                     | LISTED, 08-63                 |         | 115              | WITH HERD-MATES  | 115                | 14,556    | 3.6         | 523             | 21                 | 14,180     | 514                          | 12,657 458 |
| STATES-                            | 14,16,21,23,31,34,52,73,74,84 |         |                  |                  |                    |           |             | DIFF.           | 376                | 9          |                              |            |
| 1315549 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 23                            | 6       | NON-AI DAUGHTERS | 6                | 10,712             | 4.4       | 469         |                 |                    |            |                              |            |
|                                    |                               | 6       | WITH HERD-MATES  | 6                | 10,712             | 4.4       | 469         | 16              | 12,267             | 494        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1555-              | 25-        |                              |            |
| 1315578 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| AI STUD, 33-01                     |                               | 4       | AI DAUGHTERS     | 4                | 13,603             | 3.9       | 537         |                 |                    |            |                              |            |
| STATES-                            | 33                            | 4       | WITH HERD-MATES  | 4                | 13,603             | 3.9       | 537         | 11              | 12,954             | 478        | 12,318                       | 460        |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 649                | 59         |                              |            |
|                                    |                               | 1       | NON-AI DAUGHTERS | 2                | 13,750             | 3.7       | 511         |                 |                    |            |                              |            |
|                                    |                               | 1       | WITH HERD-MATES  | 2                | 13,750             | 3.7       | 511         | 4               | 12,301             | 448        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1449               | 63         |                              |            |
| 1315620 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 65                            | 5       | NON-AI DAUGHTERS | 5                | 9,748              | 3.8       | 367         |                 |                    |            |                              |            |
|                                    |                               | 5       | WITH HERD-MATES  | 5                | 9,748              | 3.8       | 367         | 18              | 10,307             | 371        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 559-               | 4-         |                              |            |
| 1315657 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 13                            | 5       | NON-AI DAUGHTERS | 5                | 13,222             | 4.1       | 544         |                 |                    |            |                              |            |
|                                    |                               | 5       | WITH HERD-MATES  | 5                | 13,222             | 4.1       | 544         | 25              | 14,571             | 558        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1349-              | 14-        |                              |            |
| 1315742 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 48                            | 5       | NON-AI DAUGHTERS | 6                | 11,856             | 3.6       | 425         |                 |                    |            |                              |            |
|                                    |                               | 5       | WITH HERD-MATES  | 6                | 11,856             | 3.6       | 425         | 9               | 12,502             | 450        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 646-               | 25-        |                              |            |
| 1315779 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 23,51,54                      | 8       | NON-AI DAUGHTERS | 10               | 11,574             | 3.6       | 422         |                 |                    |            |                              |            |
|                                    |                               | 8       | WITH HERD-MATES  | 10               | 11,574             | 3.6       | 422         | 23              | 13,355             | 494        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1781-              | 72-        |                              |            |
| 1315829 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 42                            | 10      | NON-AI DAUGHTERS | 10               | 11,490             | 3.9       | 450         |                 |                    |            |                              |            |
|                                    |                               | 9       | WITH HERD-MATES  | 9                | 11,848             | 3.9       | 461         | 19              | 12,406             | 476        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 558-               | 15-        |                              |            |
| 1315924 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 34                            | 7       | NON-AI DAUGHTERS | 7                | 14,440             | 3.6       | 527         |                 |                    |            |                              |            |
|                                    |                               | 7       | WITH HERD-MATES  | 7                | 14,440             | 3.6       | 527         | 11              | 15,769             | 577        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1329-              | 50-        |                              |            |
| 1315929 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 21,51                         | 5       | NON-AI DAUGHTERS | 6                | 11,253             | 3.8       | 428         |                 |                    |            |                              |            |
|                                    |                               | 5       | WITH HERD-MATES  | 6                | 11,253             | 3.8       | 428         | 32              | 11,808             | 443        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 555-               | 15-        |                              |            |
| 1315940 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 43                            | 8       | NON-AI DAUGHTERS | 8                | 13,044             | 3.7       | 479         |                 |                    |            |                              |            |
|                                    |                               | 8       | WITH HERD-MATES  | 8                | 13,044             | 3.7       | 479         | 43              | 11,977             | 434        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 1067               | 45         |                              |            |
| 1315951 .....                      |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| STATES-                            | 35                            | 5       | NON-AI DAUGHTERS | 7                | 13,873             | 3.8       | 521         |                 |                    |            |                              |            |
|                                    |                               | 5       | WITH HERD-MATES  | 7                | 13,873             | 3.8       | 521         | 13              | 13,822             | 513        |                              |            |
|                                    |                               |         |                  |                  |                    |           |             | DIFF.           | 51                 | 8          |                              |            |
| 1315953 DISTINCTION JEWEL LAD..... |                               |         |                  |                  |                    |           |             |                 |                    |            |                              |            |
| 01-08-58                           | 1252142                       | 3739108 | 31               | AI DAUGHTERS     | 31                 | 12,574    | 3.7         | 467             |                    |            |                              |            |
| AI STUD, 35-05                     | LISTED, 08-63                 |         | 31               | WITH HERD-MATES  | 31                 | 12,574    | 3.7         | 467             | 15                 | 12,792     | 473                          | 12,026 442 |
| STATES-                            | 33,35                         |         |                  |                  |                    |           |             | DIFF.           | 218-               | 6-         |                              |            |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN                     | AV. PRODUCTION OF |                  |           |                   | ADJ. HERO-MATES AV. |            |             | PREDICTED AV.   |             |
|------------------------------|-------------------|------------------|-----------|-------------------|---------------------|------------|-------------|-----------------|-------------|
|                              | RECORDS<br>NUMBER | MILK<br>LB       | TEST<br>% | OAU.<br>FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB   | MILK<br>LB      | FAT<br>LB   |
| 1316040 .....                | 7                 | NDN-AI DAUGHTERS | 8         | 11,013            | 3.7                 | 404        |             |                 |             |
| STATES- 51                   | 7                 | WITH HERO-MATES  | 8         | 11,013            | 3.7                 | 404        | 34<br>DIFF. | 11,885<br>872-  | 445<br>41-  |
| 1316089 .....                | 8                 | NDN-AI DAUGHTERS | 8         | 11,811            | 3.8                 | 449        |             |                 |             |
| STATES- 51                   | 8                 | WITH HERO-MATES  | 8         | 11,811            | 3.8                 | 449        | 47<br>DIFF. | 12,839<br>1028- | 494<br>45-  |
| 1316129 .....                | 7                 | NDN-AI DAUGHTERS | 7         | 13,129            | 3.5                 | 459        |             |                 |             |
| STATES- 21                   | 7                 | WITH HERO-MATES  | 7         | 13,129            | 3.5                 | 459        | 43<br>DIFF. | 13,554<br>425-  | 488<br>29-  |
| 1316132 .....                | 8                 | NDN-AI DAUGHTERS | 8         | 16,628            | 4.0                 | 668        |             |                 |             |
| STATES- 23                   | 8                 | WITH HERO-MATES  | 8         | 16,628            | 4.0                 | 668        | 37<br>DIFF. | 14,646<br>1982  | 560<br>108  |
| 1316134 .....                | 9                 | NDN-AI DAUGHTERS | 9         | 13,769            | 3.7                 | 511        |             |                 |             |
| STATES- 23                   | 9                 | WITH HERO-MATES  | 9         | 13,769            | 3.7                 | 511        | 13<br>DIFF. | 13,898<br>129-  | 531<br>20-  |
| 1316148 .....                | 6                 | NDN-AI DAUGHTERS | 6         | 15,488            | 4.1                 | 633        |             |                 |             |
| STATES- 21                   | 6                 | WITH HERO-MATES  | 6         | 15,488            | 4.1                 | 633        | 20<br>DIFF. | 14,886<br>602   | 549<br>84   |
| 1316233 .....                | 7                 | NDN-AI DAUGHTERS | 9         | 12,429            | 3.6                 | 453        |             |                 |             |
| STATES- 21                   | 7                 | WITH HERO-MATES  | 9         | 12,429            | 3.6                 | 453        | 27<br>DIFF. | 13,468<br>1039- | 493<br>40-  |
| 1316336 .....                | 7                 | NDN-AI DAUGHTERS | 7         | 14,746            | 3.7                 | 548        |             |                 |             |
| STATES- 33,35                | 7                 | WITH HERO-MATES  | 7         | 14,746            | 3.7                 | 548        | 15<br>DIFF. | 13,509<br>1237  | 507<br>41   |
| 1316367 .....                | 6                 | NDN-AI DAUGHTERS | 8         | 13,665            | 3.6                 | 490        |             |                 |             |
| STATES- 21                   | 6                 | WITH HERO-MATES  | 8         | 13,665            | 3.6                 | 490        | 19<br>DIFF. | 13,947<br>282-  | 502<br>12-  |
| 1316515 .....                | 6                 | NDN-AI DAUGHTERS | 8         | 11,969            | 4.0                 | 484        |             |                 |             |
| STATES- 23                   | 6                 | WITH HERO-MATES  | 8         | 11,969            | 4.0                 | 484        | 14<br>DIFF. | 12,645<br>676-  | 465<br>19   |
| 1316568 .....                | 5                 | NDN-AI DAUGHTERS | 5         | 10,506            | 3.8                 | 394        |             |                 |             |
| STATES- 41                   | 5                 | WITH HERO-MATES  | 5         | 10,506            | 3.8                 | 394        | 6<br>DIFF.  | 12,189<br>1683- | 464<br>70-  |
| 1316573 .....                | 5                 | NDN-AI DAUGHTERS | 6         | 14,244            | 3.7                 | 523        |             |                 |             |
| STATES- 31                   | 5                 | WITH HERO-MATES  | 6         | 14,244            | 3.7                 | 523        | 12<br>DIFF. | 16,034<br>1790- | 563<br>40-  |
| 1316590 .....                | 5                 | NDN-AI DAUGHTERS | 5         | 14,316            | 4.1                 | 586        |             |                 |             |
| AI STUD, 23-08<br>STATES- 23 | 5                 | WITH HERO-MATES  | 5         | 14,316            | 4.1                 | 586        | 10<br>DIFF. | 14,530<br>214-  | 556<br>30   |
| 1316623 .....                | 5                 | NDN-AI DAUGHTERS | 7         | 13,354            | 3.8                 | 510        |             |                 |             |
| STATES- 91                   | 5                 | WITH HERO-MATES  | 7         | 13,354            | 3.8                 | 510        | 9<br>DIFF.  | 11,800<br>1554  | 437<br>73   |
| 1316647 .....                | 5                 | NDN-AI DAUGHTERS | 5         | 13,620            | 4.1                 | 554        |             |                 |             |
| STATES- 41                   | 5                 | WITH HERO-MATES  | 5         | 13,620            | 4.1                 | 554        | 8<br>DIFF.  | 13,647<br>27-   | 528<br>26   |
| 1316663 .....                | 8                 | NDN-AI DAUGHTERS | 8         | 15,058            | 3.9                 | 591        |             |                 |             |
| STATES- 23                   | 8                 | WITH HERO-MATES  | 8         | 15,058            | 3.9                 | 591        | 14<br>DIFF. | 12,504<br>2554  | 491<br>100  |
| 1316670 .....                | 5                 | NDN-AI DAUGHTERS | 5         | 10,536            | 3.5                 | 368        |             |                 |             |
| STATES- 21                   | 5                 | WITH HERO-MATES  | 5         | 10,536            | 3.5                 | 368        | 6<br>DIFF.  | 9,984<br>552    | 369<br>1-   |
| 1316747 .....                | 5                 | NDN-AI DAUGHTERS | 9         | 10,762            | 3.7                 | 403        |             |                 |             |
| STATES- 11,55                | 5                 | WITH HERO-MATES  | 9         | 10,762            | 3.7                 | 403        | 28<br>DIFF. | 10,785<br>23-   | 405<br>2-   |
| 1316761 .....                | 6                 | NDN-AI DAUGHTERS | 8         | 9,948             | 3.7                 | 364        |             |                 |             |
| STATES- 34                   | 6                 | WITH HERO-MATES  | 7         | 9,892             | 3.7                 | 364        | 6<br>DIFF.  | 14,539<br>4647- | 520<br>156- |
| 1316827 .....                | 8                 | NDN-AI DAUGHTERS | 9         | 13,684            | 3.6                 | 493        |             |                 |             |
| STATES- 21                   | 8                 | WITH HERO-MATES  | 9         | 13,684            | 3.6                 | 493        | 18<br>DIFF. | 13,332<br>352   | 454<br>39   |
| 1316830 .....                | 8                 | NDN-AI DAUGHTERS | 9         | 15,174            | 3.5                 | 528        |             |                 |             |
| STATES- 15,21                | 8                 | WITH HERO-MATES  | 9         | 15,174            | 3.5                 | 528        | 6<br>DIFF.  | 14,272<br>902   | 547<br>19-  |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN       | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|----------------|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                | RECORDS<br>NUMBER      | MILK<br>L8       | TEST<br>% | FAT<br>L8 | NUMBER              | MILK<br>L8 | FAT<br>L8 | MILK<br>L8    | FAT<br>L8 |
| 1316835 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42     | 5                      | NON-AI DAUGHTERS | 5         | 15,808    | 3.4                 | 533        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 5         | 15,808    | 3.4                 | 533        | 6         | 13,014        | 460       |
|                |                        |                  |           |           |                     |            | DIFF.     | 2794          | 73        |
| 1316847 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21     | 6                      | NON-AI DAUGHTERS | 7         | 13,353    | 3.4                 | 455        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 7         | 13,353    | 3.4                 | 455        | 15        | 14,751        | 531       |
|                |                        |                  |           |           |                     |            | DIFF.     | 1398-         | 76-       |
| 1316893 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42     | 6                      | NON-AI DAUGHTERS | 6         | 11,980    | 3.6                 | 426        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 6         | 11,980    | 3.6                 | 426        | 25        | 10,662        | 394       |
|                |                        |                  |           |           |                     |            | DIFF.     | 1318          | 32        |
| 1316959 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21     | 6                      | NON-AI DAUGHTERS | 7         | 13,868    | 3.7                 | 519        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 6         | 13,550    | 3.7                 | 508        | 13        | 14,170        | 524       |
|                |                        |                  |           |           |                     |            | DIFF.     | 620-          | 16-       |
| 1317002 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 51     | 5                      | NON-AI DAUGHTERS | 5         | 11,274    | 3.5                 | 400        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 5         | 11,274    | 3.5                 | 400        | 12        | 11,389        | 438       |
|                |                        |                  |           |           |                     |            | DIFF.     | 115-          | 38-       |
| 1317100 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41     | 6                      | NON-AI DAUGHTERS | 9         | 14,921    | 3.7                 | 546        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 9         | 14,921    | 3.7                 | 546        | 13        | 14,693        | 541       |
|                |                        |                  |           |           |                     |            | DIFF.     | 228           | 5         |
| 1317114 .....  |                        |                  |           |           |                     |            |           |               |           |
| AI STUD, 21-01 | 15                     | AI DAUGHTERS     | 15        | 12,394    | 3.8                 | 465        |           |               |           |
| STATES- 21     | 15                     | WITH HERD-MATES  | 15        | 12,394    | 3.8                 | 465        | 13        | 13,476        | 483       |
|                |                        |                  |           |           |                     |            | DIFF.     | 1082-         | 18-       |
| 1317122 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 48     | 6                      | NON-AI DAUGHTERS | 8         | 12,811    | 3.8                 | 487        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 8         | 12,811    | 3.8                 | 487        | 9         | 12,132        | 428       |
|                |                        |                  |           |           |                     |            | DIFF.     | 679           | 59        |
| 1317139 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 31     | 5                      | NON-AI DAUGHTERS | 6         | 12,453    | 3.4                 | 420        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 6         | 12,453    | 3.4                 | 420        | 14        | 12,787        | 440       |
|                |                        |                  |           |           |                     |            | DIFF.     | 334-          | 20-       |
| 1317214 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 31     | 6                      | NON-AI DAUGHTERS | 7         | 13,538    | 3.7                 | 495        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 7         | 13,538    | 3.7                 | 495        | 16        | 13,438        | 493       |
|                |                        |                  |           |           |                     |            | DIFF.     | 100           | 2         |
| 1317265 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23     | 9                      | NON-AI DAUGHTERS | 9         | 12,947    | 3.7                 | 473        |           |               |           |
|                | 8                      | WITH HERD-MATES  | 8         | 13,229    | 3.6                 | 480        | 7         | 14,948        | 570       |
|                |                        |                  |           |           |                     |            | DIFF.     | 1720-         | 90-       |
| 1317297 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23     | 5                      | NON-AI DAUGHTERS | 6         | 11,923    | 4.0                 | 477        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 6         | 11,923    | 4.0                 | 477        | 12        | 12,051        | 454       |
|                |                        |                  |           |           |                     |            | DIFF.     | 128-          | 23        |
| 1317318 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 13     | 5                      | NON-AI DAUGHTERS | 5         | 13,688    | 3.6                 | 488        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 5         | 13,688    | 3.6                 | 488        | 17        | 13,110        | 464       |
|                |                        |                  |           |           |                     |            | DIFF.     | 578           | 24        |
| 1317355 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23     | 5                      | NON-AI DAUGHTERS | 7         | 13,156    | 4.3                 | 560        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 7         | 13,156    | 4.3                 | 560        | 16        | 12,881        | 509       |
|                |                        |                  |           |           |                     |            | DIFF.     | 275           | 51        |
| 1317373 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 11     | 6                      | NON-AI DAUGHTERS | 6         | 12,603    | 4.2                 | 530        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 6         | 12,603    | 4.2                 | 530        | 9         | 13,305        | 520       |
|                |                        |                  |           |           |                     |            | DIFF.     | 702-          | 10        |
| 1317374 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41     | 6                      | NON-AI DAUGHTERS | 6         | 12,107    | 3.9                 | 473        |           |               |           |
|                | 4                      | WITH HERD-MATES  | 4         | 12,670    | 4.0                 | 504        | 3         | 12,661        | 480       |
|                |                        |                  |           |           |                     |            | DIFF.     | 9             | 24        |
| 1317578 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 21     | 5                      | NON-AI DAUGHTERS | 5         | 17,028    | 3.5                 | 597        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 5         | 17,028    | 3.5                 | 597        | 30        | 17,338        | 611       |
|                |                        |                  |           |           |                     |            | DIFF.     | 310-          | 14-       |
| 1317611 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23     | 5                      | NON-AI DAUGHTERS | 5         | 16,098    | 4.1                 | 658        |           |               |           |
|                | 5                      | WITH HERD-MATES  | 5         | 16,098    | 4.1                 | 658        | 26        | 14,270        | 546       |
|                |                        |                  |           |           |                     |            | DIFF.     | 1828          | 112       |
| 1317647 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 14,16  | 6                      | NON-AI DAUGHTERS | 7         | 16,919    | 3.9                 | 663        |           |               |           |
|                | 6                      | WITH HERD-MATES  | 6         | 16,907    | 3.9                 | 654        | 16        | 15,482        | 597       |
|                |                        |                  |           |           |                     |            | DIFF.     | 1425          | 57        |
| 1317811 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 32     | 8                      | NON-AI DAUGHTERS | 8         | 11,919    | 3.8                 | 452        |           |               |           |
|                | 8                      | WITH HERD-MATES  | 8         | 11,919    | 3.8                 | 452        | 6         | 12,851        | 494       |
|                |                        |                  |           |           |                     |            | DIFF.     | 932-          | 42-       |
| 1317835 .....  |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23     | 8                      | NON-AI DAUGHTERS | 10        | 14,509    | 3.7                 | 530        |           |               |           |
|                | 8                      | WITH HERD-MATES  | 10        | 14,509    | 3.7                 | 530        | 15        | 15,764        | 565       |
|                |                        |                  |           |           |                     |            | DIFF.     | 1255-         | 35-       |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |                     |    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|---|---------------------|----|------------------------|---------------------|-------------------|
|   |                     |    | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|   |                     |    | NUMBER LB % LB         | NUMBER LB LB        | L8 L8             |
| 1317848 .....                                   | 5 NON-AI DAUGHTERS  | 5  | 13,400 3.7 495         |                     |                   |
| STATES- 67                                      | 5 WITH HERD-MATES   | 5  | 13,400 3.7 495         | 11 12,161 436       |                   |
|   |                     |    |                        | DIFF. 1239 59       |                   |
| 1317858 COOPER HILL ROELIFF SUPERIOR.....       |                     |    |                        |                     |                   |
| D1-29-58 922288 2688764 43 AI DAUGHTERS         | 43                  | 43 | 11,896 3.8 455         |                     |                   |
| AI STUD, 16-04 LISTED, 08-63 41 WITH HERD-MATES | 41                  | 41 | 11,892 3.8 455         | 22 13,044 491       | 11,318 420        |
| STATES- 13,14,16                                |                     |    |                        | DIFF. 1152- 36-     |                   |
| 1317896 .....                                   | 5 NON-AI DAUGHTERS  | 5  | 16,634 3.8 639         |                     |                   |
| STATES- 35                                      | 5 WITH HERD-MATES   | 5  | 16,634 3.8 639         | 16 14,979 536       |                   |
|   |                     |    |                        | DIFF. 1655 103      |                   |
| 1317959 INGLIS ACE 8EL SEELEY.....              |                     |    |                        |                     |                   |
| 11-19-57 905683 3506733 63 AI DAUGHTERS         | 63                  | 68 | 12,119 3.8 456         |                     |                   |
| AI STUD, 21-01 LISTED, 08-63 59 WITH HERD-MATES | 59                  | 61 | 12,218 3.8 459         | 17 13,227 480       | 11,388 430        |
| STATES- 13,21                                   |                     |    |                        | DIFF. 1009- 21-     |                   |
|   | 2 NON-AI DAUGHTERS  | 3  | 14,893 3.6 537         |                     |                   |
|   | 1 WITH HERD-MATES   | 1  | 13,600 3.5 480         | 17 12,354 462       |                   |
|   |                     |    |                        | DIFF. 1246 18       |                   |
| 1318028 .....                                   | 10 NON-AI DAUGHTERS | 10 | 14,681 3.4 494         |                     |                   |
| STATES- 21                                      | 10 WITH HERD-MATES  | 10 | 14,681 3.4 494         | 74 13,867 484       |                   |
|   |                     |    |                        | DIFF. 814 10        |                   |
| 1318068 CRMSBY IDEAL SULTAN.....                |                     |    |                        |                     |                   |
| 12-17-57 1090340 2628365 29 AI DAUGHTERS        | 29                  | 29 | 13,579 3.9 534         |                     |                   |
| AI STUD, 33-01 LISTED, 08-63 29 WITH HERD-MATES | 29                  | 29 | 13,579 3.9 534         | 14 12,709 480       | 12,784 485        |
| STATES- 33,54,57                                |                     |    |                        | DIFF. 870 54        |                   |
| 1318080 .....                                   | 5 NON-AI DAUGHTERS  | 6  | 13,465 3.7 501         |                     |                   |
| STATES- 21                                      | 5 WITH HERD-MATES   | 6  | 13,465 3.7 501         | 16 12,110 444       |                   |
|   |                     |    |                        | DIFF. 1355 57       |                   |
| 1318139 .....                                   | 20 NON-AI DAUGHTERS | 20 | 11,301 4.2 477         |                     |                   |
| STATES- 23                                      | 20 WITH HERD-MATES  | 20 | 11,301 4.2 477         | 7 10,242 393        |                   |
|   |                     |    |                        | DIFF. 1059 84       |                   |
| 1318143 .....                                   | 6 NON-AI DAUGHTERS  | 7  | 12,273 3.6 437         |                     |                   |
| STATES- 14,16,21,34                             | 6 WITH HERD-MATES   | 7  | 12,273 3.6 437         | 15 12,565 462       |                   |
|   |                     |    |                        | DIFF. 292- 25-      |                   |
| 1318166 .....                                   | 6 NON-AI DAUGHTERS  | 8  | 13,378 3.4 459         |                     |                   |
| STATES- 41                                      | 6 WITH HERD-MATES   | 8  | 13,378 3.4 459         | 9 13,453 466        |                   |
|   |                     |    |                        | DIFF. 75- 7-        |                   |
| 1318168 .....                                   | 6 NON-AI DAUGHTERS  | 6  | 10,542 3.5 368         |                     |                   |
| STATES- 41                                      | 6 WITH HERD-MATES   | 6  | 10,542 3.5 368         | 15 12,557 453       |                   |
|   |                     |    |                        | DIFF. 2015- 85-     |                   |
| 1318274 .....                                   | 5 NON-AI DAUGHTERS  | 5  | 11,656 3.3 382         |                     |                   |
| STATES- 35                                      | 5 WITH HERD-MATES   | 5  | 11,656 3.3 382         | 12 12,793 442       |                   |
|   |                     |    |                        | DIFF. 1137- 60-     |                   |
| 1318300 .....                                   | 6 NON-AI DAUGHTERS  | 7  | 10,702 3.8 403         |                     |                   |
| STATES- 35                                      | 6 WITH HERD-MATES   | 7  | 10,702 3.8 403         | 6 10,648 401        |                   |
|   |                     |    |                        | DIFF. 54 2          |                   |
| 1318329 .....                                   | 9 NON-AI DAUGHTERS  | 9  | 13,911 3.5 480         |                     |                   |
| STATES- 35                                      | 9 WITH HERD-MATES   | 9  | 13,911 3.5 480         | 18 13,609 439       |                   |
|   |                     |    |                        | DIFF. 302 41        |                   |
| 1318351 .....                                   | 5 NON-AI DAUGHTERS  | 5  | 13,548 3.8 511         |                     |                   |
| STATES- 23                                      | 5 WITH HERD-MATES   | 5  | 13,548 3.8 511         | 7 15,142 553        |                   |
|   |                     |    |                        | DIFF. 1594- 42-     |                   |
| 1318443 .....                                   | 8 NON-AI DAUGHTERS  | 8  | 14,283 3.9 563         |                     |                   |
| STATES- 21                                      | 8 WITH HERD-MATES   | 8  | 14,283 3.9 563         | 40 16,299 620       |                   |
|   |                     |    |                        | DIFF. 2016- 57-     |                   |
| 1318456 .....                                   | 6 NON-AI DAUGHTERS  | 6  | 13,905 3.6 505         |                     |                   |
| STATES- 34                                      | 6 WITH HERD-MATES   | 6  | 13,905 3.6 505         | 44 13,532 475       |                   |
|   |                     |    |                        | DIFF. 373 30        |                   |
| 1318659 .....                                   | 5 NON-AI DAUGHTERS  | 5  | 11,972 3.4 410         |                     |                   |
| STATES- 21                                      | 5 WITH HERD-MATES   | 5  | 11,972 3.4 410         | 29 13,460 503       |                   |
|   |                     |    |                        | DIFF. 1488- 93-     |                   |
| 1318664 .....                                   | 5 NON-AI DAUGHTERS  | 5  | 13,674 3.3 455         |                     |                   |
| STATES- 35                                      | 5 WITH HERD-MATES   | 5  | 13,674 3.3 455         | 7 13,403 483        |                   |
|   |                     |    |                        | DIFF. 271 28-       |                   |
| 1318702 .....                                   | 6 NON-AI DAUGHTERS  | 6  | 12,670 4.0 506         |                     |                   |
| STATES- 51                                      | 6 WITH HERD-MATES   | 6  | 12,670 4.0 506         | 25 11,925 451       |                   |
|   |                     |    |                        | DIFF. 745 55        |                   |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                            | AV. PRDUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |             | PREDICTED AV.   |             |
|-------------------------------------|-----------------------|------------------|-----------|-----------|---------------------|------------|-------------|-----------------|-------------|
|                                     | RECORDS<br>NUMBER     | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB   | MILK<br>LB      | FAT<br>LB   |
| 1318792 .....                       | 7                     | NDN-AI DAUGHTERS | 8         | 12,931    | 3.5                 | 458        |             |                 |             |
| STATES- 21                          | 7                     | WITH HERD-MATES  | 8         | 12,931    | 3.5                 | 458        | 22<br>DIFF. | 14,267<br>1336- | 519<br>61-  |
| 1318859 .....                       | 5                     | NDN-AI DAUGHTERS | 6         | 11,617    | 3.7                 | 431        |             |                 |             |
| STATES- 52                          | 5                     | WITH HERD-MATES  | 6         | 11,617    | 3.7                 | 431        | 15<br>DIFF. | 13,172<br>1555- | 489<br>58-  |
| 1318891 .....                       | 6                     | NDN-AI DAUGHTERS | 7         | 14,861    | 4.1                 | 611        |             |                 |             |
| STATES- 23                          | 6                     | WITH HERD-MATES  | 7         | 14,861    | 4.1                 | 611        | 24<br>DIFF. | 13,395<br>1466  | 522<br>89   |
| 1318968 .....                       | 11                    | NDN-AI DAUGHTERS | 12        | 15,670    | 3.3                 | 512        |             |                 |             |
| STATES- 13                          | 11                    | WITH HERD-MATES  | 12        | 15,670    | 3.3                 | 512        | 15<br>DIFF. | 15,741<br>71-   | 564<br>52-  |
| 1319008 .....                       | 10                    | NDN-AI DAUGHTERS | 10        | 15,143    | 3.7                 | 554        |             |                 |             |
| STATES- 45                          | 10                    | WITH HERD-MATES  | 10        | 15,143    | 3.7                 | 554        | 11<br>DIFF. | 14,410<br>733   | 526<br>28   |
| 1319034 .....                       | 5                     | NDN-AI DAUGHTERS | 5         | 13,260    | 3.6                 | 483        |             |                 |             |
| STATES- 41                          | 5                     | WITH HERD-MATES  | 5         | 13,260    | 3.6                 | 483        | 12<br>DIFF. | 13,653<br>393-  | 508<br>25-  |
| 1319066 .....                       | 8                     | NDN-AI DAUGHTERS | 9         | 12,344    | 4.2                 | 515        |             |                 |             |
| STATES- 23,34                       | 8                     | WITH HERD-MATES  | 9         | 12,344    | 4.2                 | 515        | 52<br>DIFF. | 13,118<br>774-  | 484<br>31   |
| 1319079 .....                       | 7                     | NDN-AI DAUGHTERS | 7         | 12,537    | 4.0                 | 500        |             |                 |             |
| STATES- 16                          | 7                     | WITH HERD-MATES  | 7         | 12,537    | 4.0                 | 500        | 9<br>DIFF.  | 12,559<br>22-   | 489<br>11   |
| 1319146 SUNLEA TRIUNE IMPROVER..... | 68                    | AI DAUGHTERS     | 69        | 13,301    | 3.4                 | 457        |             |                 |             |
| 02-02-58 956081 3813482             | 65                    | WITH HERD-MATES  | 66        | 13,349    | 3.4                 | 458        | 18<br>DIFF. | 13,224<br>125   | 478<br>20-  |
| AI STUD, 21-01 LISTED, 08-63        |                       |                  |           |           |                     |            |             |                 | 12,332 430  |
| STATES- 13,14,21,23,34              |                       |                  |           |           |                     |            |             |                 |             |
| 1319200 .....                       | 9                     | NDN-AI DAUGHTERS | 9         | 11,156    | 3.6                 | 400        |             |                 |             |
| STATES- 21                          | 9                     | WITH HERD-MATES  | 9         | 11,156    | 3.6                 | 400        | 13<br>DIFF. | 12,254<br>1098- | 415<br>15-  |
| 1319228 .....                       | 7                     | NDN-AI DAUGHTERS | 7         | 13,686    | 3.6                 | 499        |             |                 |             |
| STATES- 42                          | 7                     | WITH HERD-MATES  | 7         | 13,686    | 3.6                 | 499        | 17<br>DIFF. | 12,361<br>1325  | 440<br>59   |
| 1319305 .....                       | 8                     | NDN-AI DAUGHTERS | 8         | 13,436    | 3.6                 | 480        |             |                 |             |
| STATES- 21                          | 8                     | WITH HERD-MATES  | 8         | 13,436    | 3.6                 | 480        | 20<br>DIFF. | 12,591<br>845   | 450<br>30   |
| 1319365 .....                       | 6                     | NDN-AI DAUGHTERS | 6         | 12,795    | 3.6                 | 455        |             |                 |             |
| STATES- 22                          | 6                     | WITH HERD-MATES  | 6         | 12,795    | 3.6                 | 455        | 7<br>DIFF.  | 13,479<br>684-  | 490<br>35-  |
| 1319467 .....                       | 6                     | NDN-AI DAUGHTERS | 6         | 10,248    | 3.3                 | 340        |             |                 |             |
| STATES- 56                          | 6                     | WITH HERD-MATES  | 6         | 10,248    | 3.3                 | 340        | 82<br>DIFF. | 13,374<br>3126- | 447<br>107- |
| 1319485 ALTURA JDECAIR RD8ESS.....  | 15                    | AI DAUGHTERS     | 15        | 13,143    | 3.6                 | 472        |             |                 |             |
| 09-22-57 1212911 3473580            | 15                    | WITH HERD-MATES  | 15        | 13,143    | 3.6                 | 472        | 14<br>DIFF. | 12,727<br>416   | 474<br>2-   |
| AI STUD, 35-05 LISTED, 08-63        |                       |                  |           |           |                     |            |             |                 | 12,396 445  |
| STATES- 33,35,42                    |                       |                  |           |           |                     |            |             |                 |             |
|                                     | 3                     | NDN-AI DAUGHTERS | 3         | 14,067    | 3.7                 | 520        |             |                 |             |
|                                     | 3                     | WITH HERD-MATES  | 3         | 14,067    | 3.7                 | 520        | 13<br>DIFF. | 13,120<br>947   | 487<br>33   |
| 1319641 .....                       | 6                     | NDN-AI DAUGHTERS | 8         | 14,149    | 3.4                 | 482        |             |                 |             |
| STATES- 11                          | 4                     | WITH HERD-MATES  | 5         | 13,788    | 3.4                 | 474        | 5<br>DIFF.  | 15,053<br>1265- | 512<br>38-  |
| 1319666 .....                       | 7                     | NDN-AI DAUGHTERS | 7         | 13,664    | 3.3                 | 452        |             |                 |             |
| STATES- 21                          | 7                     | WITH HERD-MATES  | 7         | 13,664    | 3.3                 | 452        | 11<br>DIFF. | 15,031<br>1367- | 556<br>104- |
| 1319679 .....                       | 6                     | NDN-AI DAUGHTERS | 6         | 8,432     | 3.7                 | 311        |             |                 |             |
| STATES- 55                          | 6                     | WITH HERD-MATES  | 6         | 8,432     | 3.7                 | 311        | 5<br>DIFF.  | 8,777<br>345-   | 337<br>26-  |
| 1319709 .....                       | 6                     | NDN-AI DAUGHTERS | 6         | 12,393    | 3.6                 | 450        |             |                 |             |
| STATES- 21                          | 6                     | WITH HERD-MATES  | 6         | 12,393    | 3.6                 | 450        | 17<br>DIFF. | 12,701<br>308-  | 432<br>18   |
| 1319728 .....                       | 6                     | NDN-AI DAUGHTERS | 6         | 11,165    | 4.0                 | 449        |             |                 |             |
| STATES- 32                          | 6                     | WITH HERD-MATES  | 6         | 11,165    | 4.0                 | 449        | 16<br>DIFF. | 10,838<br>327   | 440<br>9    |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF DAU. |             |           |            | ADJ. HERD-MATES AV. |             |            | PREDICTED AV. |            |
|--|------------------------|-------------|-----------|------------|---------------------|-------------|------------|---------------|------------|
|  | RECORDS<br>NUMBER      | MILK<br>LBS | TEST<br>% | FAT<br>LBS | NUMBER              | MILK<br>LBS | FAT<br>LBS | MILK<br>LBS   | FAT<br>LBS |
| 1319772 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 23                                       | 17                     | 13,918      | 3.7       | 512        | 11                  | 12,636      | 469        |               |            |
|  | 17                     | 13,918      | 3.7       | 512        | DIFF.               | 1282        | 43         |               |            |
| 1319895 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 16                                       | 5                      | 11,900      | 4.2       | 496        | 23                  | 12,333      | 471        |               |            |
|  | 5                      | 11,900      | 4.2       | 496        | DIFF.               | 433-        | 25         |               |            |
| 1319930 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 12                                       | 5                      | 11,093      | 4.0       | 448        | 42                  | 11,718      | 456        |               |            |
|  | 5                      | 11,093      | 4.0       | 448        | DIFF.               | 625-        | 8-         |               |            |
| 1319991 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 33                                       | 7                      | 11,777      | 4.2       | 498        | 17                  | 12,174      | 488        |               |            |
|  | 7                      | 11,777      | 4.2       | 498        | DIFF.               | 397-        | 10         |               |            |
| 1320003 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 32                                       | 5                      | 13,650      | 3.7       | 507        | 8                   | 12,830      | 465        |               |            |
|  | 5                      | 13,650      | 3.7       | 507        | DIFF.               | 820         | 42         |               |            |
| 1320057 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 52                                       | 5                      | 15,261      | 3.7       | 568        | 17                  | 15,377      | 549        |               |            |
|  | 5                      | 15,261      | 3.7       | 568        | DIFF.               | 116-        | 19         |               |            |
| 1320063 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 12                                       | 9                      | 10,928      | 4.2       | 459        | 22                  | 12,748      | 491        |               |            |
|  | 9                      | 10,928      | 4.2       | 459        | DIFF.               | 1820-       | 32-        |               |            |
| 1320082 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 31                                       | 5                      | 14,506      | 3.4       | 488        | 34                  | 14,729      | 517        |               |            |
|  | 5                      | 14,506      | 3.4       | 488        | DIFF.               | 223-        | 29-        |               |            |
| 1320117 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 86                                       | 5                      | 16,620      | 3.6       | 596        | 13                  | 15,463      | 552        |               |            |
|  | 4                      | 17,363      | 3.6       | 630        | DIFF.               | 1900        | 78         |               |            |
| 1320150 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 35                                       | 7                      | 18,221      | 3.3       | 602        | 5                   | 15,085      | 533        |               |            |
|  | 7                      | 18,221      | 3.3       | 602        | DIFF.               | 3136        | 69         |               |            |
| 1320157 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 42                                       | 7                      | 15,346      | 3.5       | 531        | 15                  | 13,611      | 478        |               |            |
|  | 7                      | 15,346      | 3.5       | 531        | DIFF.               | 1735        | 53         |               |            |
| 1320173 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 35                                       | 5                      | 13,666      | 3.4       | 470        | 14                  | 14,421      | 544        |               |            |
|  | 5                      | 13,666      | 3.4       | 470        | DIFF.               | 755-        | 74-        |               |            |
| 1320208 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 11                                       | 6                      | 11,913      | 3.7       | 442        | 9                   | 13,841      | 535        |               |            |
|  | 6                      | 11,913      | 3.7       | 442        | DIFF.               | 1928-       | 93-        |               |            |
| 1320310 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 23                                       | 8                      | 17,769      | 3.6       | 635        | 16                  | 13,952      | 521        |               |            |
|  | 8                      | 17,769      | 3.6       | 635        | DIFF.               | 3817        | 114        |               |            |
| 1320327 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 82,87                                    | 5                      | 12,758      | 3.6       | 459        | 14                  | 13,759      | 496        |               |            |
|  | 5                      | 12,758      | 3.6       | 459        | DIFF.               | 1001-       | 37-        |               |            |
| 1320358 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 23                                       | 7                      | 15,197      | 3.4       | 513        | 8                   | 13,750      | 507        |               |            |
|  | 7                      | 15,197      | 3.4       | 513        | DIFF.               | 1447        | 6          |               |            |
| 1320376 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 73                                       | 5                      | 10,760      | 4.0       | 428        | 17                  | 11,664      | 424        |               |            |
|  | 5                      | 10,760      | 4.0       | 428        | DIFF.               | 904-        | 4          |               |            |
| 1320458 LAVACRES DUSTY JO PECDS.....             |                        |             |           |            |                     |             |            |               |            |
| 03-22-58 1117035 4080983 148 AI DAUGHTERS        | 152                    | 13,839      | 3.8       | 527        | 17                  | 13,637      | 525        | 12,492        | 454        |
| AI STUD, 23-08 LISTED, 08-63 147 WITH HERD-MATES | 150                    | 13,875      | 3.8       | 528        | DIFF.               | 238         | 3          |               |            |
| STATES- 23,50,51                                 |                        |             |           |            |                     |             |            |               |            |
| 1320530 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 16                                       | 7                      | 16,643      | 3.8       | 633        | 45                  | 16,936      | 638        |               |            |
|  | 7                      | 16,643      | 3.8       | 633        | DIFF.               | 293-        | 5-         |               |            |
| 1320650 .....                                    |                        |             |           |            |                     |             |            |               |            |
| STATES- 41                                       | 12                     | 13,746      | 4.0       | 547        | 13                  | 13,306      | 523        |               |            |
|  | 12                     | 13,746      | 4.0       | 547        | DIFF.               | 440         | 24         |               |            |
| 1320727 .....                                    |                        |             |           |            |                     |             |            |               |            |
| AI STUD, 34-01                                   | 7                      | 12,571      | 3.7       | 467        | 11                  | 13,822      | 520        |               |            |
| STATES- 21,33,34,35                              | 6                      | 12,070      | 3.6       | 440        | DIFF.               | 1752-       | 80-        |               |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN      |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1320737 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 33    | 6  | NON-AI DAUGHTERS | 6           | 12,838                | 3.8    | 488         |                 |                    |            |                   |            |
|               | 6  | WITH HERD-MATES  | 6           | 12,838                | 3.8    | 488         | 44              | 13,029             | 475        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 191-               | 13         |                   |            |
| 1320761 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 42    | 7  | NON-AI DAUGHTERS | 7           | 13,757                | 3.9    | 533         |                 |                    |            |                   |            |
|               | 7  | WITH HERD-MATES  | 7           | 13,757                | 3.9    | 533         | 14              | 13,026             | 500        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 731                | 33         |                   |            |
| 1320828 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 31    | 8  | NON-AI DAUGHTERS | 8           | 14,770                | 3.8    | 556         |                 |                    |            |                   |            |
|               | 8  | WITH HERD-MATES  | 8           | 14,770                | 3.8    | 556         | 7               | 13,513             | 491        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 1257               | 65         |                   |            |
| 1320839 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 84    | 7  | NON-AI DAUGHTERS | 7           | 13,296                | 3.9    | 516         |                 |                    |            |                   |            |
|               | 7  | WITH HERD-MATES  | 7           | 13,296                | 3.9    | 516         | 16              | 11,868             | 409        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 1428               | 107        |                   |            |
| 1320881 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23,33 | 6  | NON-AI DAUGHTERS | 6           | 12,125                | 4.1    | 502         |                 |                    |            |                   |            |
|               | 6  | WITH HERD-MATES  | 6           | 12,125                | 4.1    | 502         | 14              | 12,740             | 493        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 615-               | 9          |                   |            |
| 1320949 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 41    | 6  | NON-AI DAUGHTERS | 6           | 12,248                | 3.3    | 403         |                 |                    |            |                   |            |
|               | 6  | WITH HERD-MATES  | 6           | 12,248                | 3.3    | 403         | 23              | 12,747             | 433        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 499-               | 30-        |                   |            |
| 1320955 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 42    | 5  | NON-AI DAUGHTERS | 5           | 11,506                | 3.7    | 426         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 5           | 11,506                | 3.7    | 426         | 51              | 12,732             | 484        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 1226-              | 58-        |                   |            |
| 1321111 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 21    | 6  | NON-AI DAUGHTERS | 6           | 10,868                | 3.7    | 405         |                 |                    |            |                   |            |
|               | 6  | WITH HERD-MATES  | 6           | 10,868                | 3.7    | 405         | 13              | 12,741             | 459        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 1873-              | 54-        |                   |            |
| 1321139 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 21    | 5  | NON-AI DAUGHTERS | 7           | 15,422                | 4.1    | 631         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 7           | 15,422                | 4.1    | 631         | 25              | 15,786             | 602        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 364-               | 29         |                   |            |
| 1321147 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23    | 5  | NON-AI DAUGHTERS | 8           | 12,853                | 3.8    | 486         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 8           | 12,853                | 3.8    | 486         | 6               | 13,202             | 501        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 349-               | 15-        |                   |            |
| 1321161 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23    | 8  | NON-AI DAUGHTERS | 8           | 14,453                | 4.0    | 572         |                 |                    |            |                   |            |
|               | 7  | WITH HERD-MATES  | 7           | 14,744                | 3.9    | 581         | 8               | 15,141             | 604        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 397-               | 23-        |                   |            |
| 1321165 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 55    | 12 | NON-AI DAUGHTERS | 13          | 12,516                | 4.1    | 519         |                 |                    |            |                   |            |
|               | 12 | WITH HERD-MATES  | 13          | 12,516                | 4.1    | 519         | 19              | 12,803             | 478        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 287-               | 41         |                   |            |
| 1321233 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 61    | 6  | NON-AI DAUGHTERS | 6           | 12,288                | 3.6    | 448         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 5           | 12,184                | 3.6    | 442         | 31              | 12,054             | 430        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 130                | 12         |                   |            |
| 1321266 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 34    | 11 | NON-AI DAUGHTERS | 11          | 14,761                | 3.4    | 507         |                 |                    |            |                   |            |
|               | 11 | WITH HERD-MATES  | 11          | 14,761                | 3.4    | 507         | 55              | 14,695             | 517        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 66                 | 10-        |                   |            |
| 1321374 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 41    | 5  | NON-AI DAUGHTERS | 6           | 13,531                | 3.3    | 451         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 6           | 13,531                | 3.3    | 451         | 18              | 13,256             | 456        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 275                | 5-         |                   |            |
| 1321447 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23    | 5  | NON-AI DAUGHTERS | 5           | 11,110                | 3.6    | 403         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 5           | 11,110                | 3.6    | 403         | 16              | 11,422             | 412        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 312-               | 9-         |                   |            |
| 1321454 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 51    | 7  | NON-AI DAUGHTERS | 7           | 12,447                | 3.7    | 461         |                 |                    |            |                   |            |
|               | 7  | WITH HERD-MATES  | 7           | 12,447                | 3.7    | 461         | 25              | 13,603             | 493        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 1156-              | 32-        |                   |            |
| 1321461 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23    | 5  | NON-AI DAUGHTERS | 5           | 12,912                | 3.4    | 444         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 5           | 12,912                | 3.4    | 444         | 7               | 12,957             | 472        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 45-                | 28-        |                   |            |
| 1321520 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 23    | 5  | NON-AI DAUGHTERS | 5           | 14,724                | 3.9    | 571         |                 |                    |            |                   |            |
|               | 5  | WITH HERD-MATES  | 5           | 14,724                | 3.9    | 571         | 26              | 13,876             | 532        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 848                | 39         |                   |            |
| 1321583 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 35    | 11 | NON-AI DAUGHTERS | 11          | 13,698                | 3.5    | 474         |                 |                    |            |                   |            |
|               | 11 | WITH HERD-MATES  | 11          | 13,698                | 3.5    | 474         | 14              | 13,132             | 490        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 566                | 16-        |                   |            |
| 1321709 ..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 41    | 7  | NON-AI DAUGHTERS | 7           | 11,870                | 3.6    | 430         |                 |                    |            |                   |            |
|               | 7  | WITH HERD-MATES  | 7           | 11,870                | 3.6    | 430         | 15              | 13,123             | 500        |                   |            |
|               |    |                  |             |                       |        |             | DIFF.           | 1253-              | 70-        |                   |            |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |     |                  | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|-----|------------------|-------------|--------------------|-----------|-------------|------------------|--------------------|------------|-------------------|------------|
| 1321772 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 51  | 5   | NON-AI DAUGHTERS | 5           | 10,474             | 3.9       | 412         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 5           | 10,474             | 3.9       | 412         | 40               | 13,275             | 508        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 2801-              | 96-        |                   |            |
| 1321783 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 21  | 7   | NON-AI DAUGHTERS | 7           | 14,573             | 3.2       | 471         |                  |                    |            |                   |            |
|   | 7   | WITH HERD-MATES  | 7           | 14,573             | 3.2       | 471         | 8                | 13,653             | 455        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 920                | 16         |                   |            |
| 1321815 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 23  | 10  | NON-AI DAUGHTERS | 10          | 10,681             | 4.0       | 423         |                  |                    |            |                   |            |
|   | 10  | WITH HERD-MATES  | 10          | 10,681             | 4.0       | 423         | 15               | 11,400             | 439        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 719-               | 16-        |                   |            |
| 1321843 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 35  | 7   | NON-AI DAUGHTERS | 9           | 13,201             | 3.5       | 463         |                  |                    |            |                   |            |
|   | 7   | WITH HERD-MATES  | 9           | 13,201             | 3.5       | 463         | 21               | 11,228             | 411        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 1973               | 52         |                   |            |
| 1321871 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 52,55   | 5   | NON-AI DAUGHTERS | 5           | 13,806             | 3.8       | 529         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 5           | 13,806             | 3.8       | 529         | 44               | 13,317             | 497        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 489                | 32         |                   |            |
| 1321903 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| AI STUD, 33-03  | 7   | NON-AI DAUGHTERS | 7           | 12,824             | 3.6       | 462         |                  |                    |            |                   |            |
| STATES- 21,23   | 7   | WITH HERD-MATES  | 7           | 12,824             | 3.6       | 462         | 17               | 13,889             | 505        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 1065-              | 43-        |                   |            |
| 1321959 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 12  | 5   | NON-AI DAUGHTERS | 6           | 12,677             | 3.9       | 493         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 6           | 12,677             | 3.9       | 493         | 19               | 11,610             | 455        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 1067               | 38         |                   |            |
| 1321983 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 14  | 8   | NON-AI DAUGHTERS | 8           | 14,519             | 3.7       | 537         |                  |                    |            |                   |            |
|   | 8   | WITH HERD-MATES  | 8           | 14,519             | 3.7       | 537         | 30               | 14,262             | 510        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 257                | 27         |                   |            |
| 1321985 B D I LUCEMPOV AMOS.....  |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| 02-15-58 769170 3507143   | 24  | AI DAUGHTERS     | 24          | 14,294             | 3.6       | 509         |                  |                    |            |                   |            |
| AI STUD, 87-01 LISTED, 08-63  | 18  | WITH HERD-MATES  | 18          | 14,098             | 3.6       | 503         | 15               | 14,002             | 506        | 12,305            | 446        |
| STATES- 82,84,87  |     |                  |             |                    |           |             | DIFF.            | 96                 | 3-         |                   |            |
| 1322032 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 64  | 5   | NON-AI DAUGHTERS | 5           | 12,860             | 3.6       | 459         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 5           | 12,860             | 3.6       | 459         | 19               | 11,485             | 407        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 1375               | 52         |                   |            |
| 1322049 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 48  | 7   | NON-AI DAUGHTERS | 10          | 12,709             | 3.8       | 478         |                  |                    |            |                   |            |
|   | 7   | WITH HERD-MATES  | 10          | 12,709             | 3.8       | 478         | 25               | 12,492             | 468        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 217                | 10         |                   |            |
| 1322067 DAWNVALE MASTERPIECE DEAN - TWIN.....                                   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| 01-24-58 1268131 3393541  | 12  | AI DAUGHTERS     | 13          | 13,997             | 3.7       | 521         |                  |                    |            |                   |            |
| AI STUD, 65-02 LISTED, 08-63  | 11  | WITH HERD-MATES  | 11          | 14,268             | 3.7       | 524         | 13               | 12,696             | 461        | 12,900            | 475        |
| STATES- 21,31,65  |     |                  |             |                    |           |             | DIFF.            | 1572               | 63         |                   |            |
|   | 4   | NON-AI DAUGHTERS | 5           | 13,209             | 4.1       | 537         |                  |                    |            |                   |            |
|   | 4   | WITH HERD-MATES  | 5           | 13,209             | 4.1       | 537         | 9                | 16,248             | 598        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 3039-              | 61-        |                   |            |
| 1322069 GLENAFTON RAG APPLE MDNITOR -TWIN.....                                  |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| 05-01-57 010239301 010718796  | 184 | AI DAUGHTERS     | 190         | 13,031             | 3.7       | 486         |                  |                    |            |                   |            |
| AI STUD, 33-03 LISTED, 08-63  | 180 | WITH HERD-MATES  | 186         | 13,078             | 3.7       | 488         | 17               | 13,037             | 479        | 12,257            | 455        |
| STATES- 11,13,14,15,16,21,22,23,31,32,33,34,35,41,42,43,47,50,51,52,55,57,84,87 |     |                  |             |                    |           |             | DIFF.            | 41                 | 9          |                   |            |
|   | 2   | NON-AI DAUGHTERS | 2           | 11,190             | 3.4       | 377         |                  |                    |            |                   |            |
|   | 2   | WITH HERD-MATES  | 2           | 11,190             | 3.4       | 377         | 9                | 14,037             | 509        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 2847-              | 132-       |                   |            |
| 1322240 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 41  | 9   | NON-AI DAUGHTERS | 9           | 13,807             | 3.6       | 499         |                  |                    |            |                   |            |
|   | 9   | WITH HERD-MATES  | 9           | 13,807             | 3.6       | 499         | 11               | 12,289             | 440        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 1518               | 59         |                   |            |
| 1322272 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 32  | 5   | NON-AI DAUGHTERS | 6           | 12,921             | 3.7       | 481         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 6           | 12,921             | 3.7       | 481         | 12               | 10,807             | 395        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 2114               | 86         |                   |            |
| 1322293 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 23  | 5   | NON-AI DAUGHTERS | 6           | 12,206             | 4.4       | 542         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 6           | 12,206             | 4.4       | 542         | 12               | 12,739             | 510        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 533-               | 32         |                   |            |
| 1322362 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 14  | 8   | NON-AI DAUGHTERS | 8           | 13,353             | 4.1       | 549         |                  |                    |            |                   |            |
|   | 8   | WITH HERD-MATES  | 8           | 13,353             | 4.1       | 549         | 34               | 13,790             | 501        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 437-               | 48         |                   |            |
| 1322370 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 41  | 6   | NON-AI DAUGHTERS | 12          | 12,182             | 3.8       | 469         |                  |                    |            |                   |            |
|   | 6   | WITH HERD-MATES  | 12          | 12,182             | 3.8       | 469         | 17               | 12,620             | 443        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 438-               | 26         |                   |            |
| 1322380 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 61  | 5   | NON-AI DAUGHTERS | 7           | 9,679              | 3.7       | 355         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 7           | 9,679              | 3.7       | 355         | 9                | 9,967              | 361        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 288-               | 6-         |                   |            |
| 1322404 .....   |     |                  |             |                    |           |             |                  |                    |            |                   |            |
| STATES- 23  | 5   | NDN-AI DAUGHTERS | 5           | 11,396             | 4.1       | 471         |                  |                    |            |                   |            |
|   | 5   | WITH HERD-MATES  | 5           | 11,396             | 4.1       | 471         | 21               | 13,711             | 527        |                   |            |
|   |     |                  |             |                    |           |             | DIFF.            | 2315-              | 56-        |                   |            |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN         |       |                     | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|------------------|-------|---------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1322407          | ..... | 6 NON-AI DAUGHTERS  | 6           | 14,600                | 3.4    | 497         |                 |                    |            |                   |            |
| STATES- 82       |       | 6 WITH HERD-MATES   | 6           | 14,600                | 3.4    | 497         | 11 DIFF.        | 13,417 1183        | 485 12     |                   |            |
| 1322412          | ..... | 7 NON-AI DAUGHTERS  | 8           | 14,646                | 3.8    | 563         |                 |                    |            |                   |            |
| STATES- 23       |       | 7 WITH HERD-MATES   | 8           | 14,646                | 3.8    | 563         | 18 DIFF.        | 13,806 840         | 519 44     |                   |            |
| 1322433          | ..... | 7 NON-AI DAUGHTERS  | 7           | 12,413                | 3.8    | 469         |                 |                    |            |                   |            |
| STATES- 35,63,87 |       | 7 WITH HERD-MATES   | 7           | 12,413                | 3.8    | 469         | 12 DIFF.        | 13,640 1227-       | 497 28-    |                   |            |
| 1322489          | ..... | 5 NON-AI DAUGHTERS  | 5           | 13,180                | 3.5    | 466         |                 |                    |            |                   |            |
| STATES- 33       |       | 5 WITH HERD-MATES   | 5           | 13,180                | 3.5    | 466         | 10 DIFF.        | 12,923 257         | 448 18     |                   |            |
| 1322503          | ..... | 5 NON-AI DAUGHTERS  | 5           | 10,872                | 3.4    | 375         |                 |                    |            |                   |            |
| STATES- 55       |       | 5 WITH HERD-MATES   | 5           | 10,872                | 3.4    | 375         | 105 DIFF.       | 10,424 448         | 365 10     |                   |            |
| 1322517          | ..... | 5 NON-AI DAUGHTERS  | 7           | 11,285                | 4.0    | 451         |                 |                    |            |                   |            |
| STATES- 84       |       | 5 WITH HERD-MATES   | 7           | 11,285                | 4.0    | 451         | 17 DIFF.        | 13,429 2144-       | 474 23-    |                   |            |
| 1322652          | ..... | 9 NON-AI DAUGHTERS  | 10          | 11,909                | 3.4    | 405         |                 |                    |            |                   |            |
| STATES- 21       |       | 9 WITH HERD-MATES   | 10          | 11,909                | 3.4    | 405         | 11 DIFF.        | 11,984 75-         | 430 25-    |                   |            |
| 1322713          | ..... | 5 NON-AI DAUGHTERS  | 5           | 14,126                | 3.5    | 500         |                 |                    |            |                   |            |
| STATES- 14       |       | 5 WITH HERD-MATES   | 5           | 14,126                | 3.5    | 500         | 42 DIFF.        | 12,165 1961        | 443 57     |                   |            |
| 1322784          | ..... | 7 NON-AI DAUGHTERS  | 10          | 11,383                | 3.8    | 431         |                 |                    |            |                   |            |
| STATES- 31       |       | 6 WITH HERD-MATES   | 9           | 11,780                | 3.8    | 449         | 9 DIFF.         | 13,604 1824-       | 484 35-    |                   |            |
| 1323106          | ..... | 5 NON-AI DAUGHTERS  | 5           | 14,274                | 3.8    | 546         |                 |                    |            |                   |            |
| STATES- 22       |       | 5 WITH HERD-MATES   | 5           | 14,274                | 3.8    | 546         | 27 DIFF.        | 14,884 610-        | 551 5-     |                   |            |
| 1323166          | ..... | 6 NON-AI DAUGHTERS  | 8           | 9,679                 | 4.1    | 393         |                 |                    |            |                   |            |
| STATES- 23       |       | 6 WITH HERD-MATES   | 8           | 9,679                 | 4.1    | 393         | 9 DIFF.         | 10,320 641-        | 376 17     |                   |            |
| 1323211          | ..... | 7 NON-AI DAUGHTERS  | 7           | 13,553                | 3.7    | 497         |                 |                    |            |                   |            |
| STATES- 21       |       | 7 WITH HERD-MATES   | 7           | 13,553                | 3.7    | 497         | 16 DIFF.        | 11,792 1761        | 432 65     |                   |            |
| 1323232          | ..... | 5 NON-AI DAUGHTERS  | 5           | 13,690                | 3.9    | 536         |                 |                    |            |                   |            |
| STATES- 14       |       | 5 WITH HERD-MATES   | 5           | 13,690                | 3.9    | 536         | 6 DIFF.         | 15,273 1583-       | 607 71-    |                   |            |
| 1323273          | ..... | 11 NON-AI DAUGHTERS | 11          | 11,956                | 4.1    | 491         |                 |                    |            |                   |            |
| STATES- 13,21    |       | 11 WITH HERD-MATES  | 11          | 11,956                | 4.1    | 491         | 17 DIFF.        | 13,982 2026-       | 542 51-    |                   |            |
| 1323278          | ..... | 5 NON-AI DAUGHTERS  | 5           | 12,076                | 3.3    | 404         |                 |                    |            |                   |            |
| STATES- 48       |       | 5 WITH HERD-MATES   | 5           | 12,076                | 3.3    | 404         | 18 DIFF.        | 12,942 866-        | 446 42-    |                   |            |
| 1323375          | ..... | 5 NON-AI DAUGHTERS  | 5           | 12,024                | 3.5    | 424         |                 |                    |            |                   |            |
| STATES- 35       |       | 5 WITH HERD-MATES   | 5           | 12,024                | 3.5    | 424         | 6 DIFF.         | 11,232 792         | 412 12     |                   |            |
| 1323424          | ..... | 9 NON-AI DAUGHTERS  | 9           | 13,753                | 3.4    | 468         |                 |                    |            |                   |            |
| STATES- 47       |       | 9 WITH HERD-MATES   | 9           | 13,753                | 3.4    | 468         | 11 DIFF.        | 12,999 754         | 455 13     |                   |            |
| 1323464          | ..... | 6 NON-AI DAUGHTERS  | 8           | 11,934                | 3.5    | 419         |                 |                    |            |                   |            |
| STATES- 35       |       | 6 WITH HERD-MATES   | 8           | 11,934                | 3.5    | 419         | 20 DIFF.        | 12,795 861-        | 446 27-    |                   |            |
| 1323572          | ..... | 8 NON-AI DAUGHTERS  | 8           | 12,519                | 3.9    | 485         |                 |                    |            |                   |            |
| STATES- 11       |       | 8 WITH HERD-MATES   | 8           | 12,519                | 3.9    | 485         | 15 DIFF.        | 13,124 605-        | 491 6-     |                   |            |
| 1323766          | ..... | 8 NON-AI DAUGHTERS  | 8           | 11,375                | 3.6    | 406         |                 |                    |            |                   |            |
| STATES- 35       |       | 8 WITH HERD-MATES   | 8           | 11,375                | 3.6    | 406         | 19 DIFF.        | 13,562 2187-       | 487 81-    |                   |            |
| 1323858          | ..... | 7 NON-AI DAUGHTERS  | 7           | 14,227                | 4.0    | 562         |                 |                    |            |                   |            |
| STATES- 21       |       | 7 WITH HERD-MATES   | 7           | 14,227                | 4.0    | 562         | 18 DIFF.        | 13,864 363         | 535 27     |                   |            |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN       |       |                     | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU.<br>FAT L8 | ADJ. AV.<br>NUMBER | HERO-MATES<br>MILK L8 | AV. FAT<br>L8 | PREOICTED AV.<br>MILK L8 | FAT L8 |
|----------------|-------|---------------------|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1323859        | ..... | 5 NON-AI DAUGHTERS  | 7                     | 10,834                   | 3.7       | 396            |                    |                       |               |                          |        |
| STATES- 21     |       | 5 WITH HERD-MATES   | 7                     | 10,834                   | 3.7       | 396            | 32<br>OIFF.        | 12,297<br>1463-       | 445<br>49-    |                          |        |
| 1323868        | ..... | 5 NON-AI DAUGHTERS  | 7                     | 12,301                   | 3.9       | 480            |                    |                       |               |                          |        |
| STATES- 48     |       | 5 WITH HERD-MATES   | 7                     | 12,301                   | 3.9       | 480            | 17<br>OIFF.        | 12,090<br>211         | 462<br>18     |                          |        |
| 1323896        | ..... | 8 NON-AI DAUGHTERS  | 8                     | 9,776                    | 3.6       | 356            |                    |                       |               |                          |        |
| STATES- 54     |       | 8 WITH HERD-MATES   | 8                     | 9,776                    | 3.6       | 356            | 25<br>OIFF.        | 9,034<br>742          | 330<br>26     |                          |        |
| 1323988        | ..... | 5 NON-AI DAUGHTERS  | 5                     | 13,248                   | 4.0       | 526            |                    |                       |               |                          |        |
| STATES- 48     |       | 5 WITH HERD-MATES   | 5                     | 13,248                   | 4.0       | 526            | 10<br>OIFF.        | 13,318<br>70-         | 461<br>65     |                          |        |
| 1324002        | ..... | 6 NON-AI DAUGHTERS  | 8                     | 10,580                   | 3.2       | 341            |                    |                       |               |                          |        |
| STATES- 45     |       | 6 WITH HERD-MATES   | 8                     | 10,580                   | 3.2       | 341            | 11<br>DIFF.        | 13,543<br>2963-       | 449<br>108-   |                          |        |
| 1324003        | ..... | 13 NON-AI DAUGHTERS | 13                    | 12,690                   | 3.3       | 422            |                    |                       |               |                          |        |
| STATES- 21     |       | 13 WITH HERD-MATES  | 13                    | 12,690                   | 3.3       | 422            | 68<br>DIFF.        | 13,477<br>787-        | 496<br>74-    |                          |        |
| 1324043        | ..... | 5 NON-AI DAUGHTERS  | 5                     | 12,794                   | 3.5       | 451            |                    |                       |               |                          |        |
| STATES- 35     |       | 5 WITH HERD-MATES   | 5                     | 12,794                   | 3.5       | 451            | 5<br>OIFF.         | 12,552<br>242         | 464<br>13-    |                          |        |
| 1324120        | ..... | 6 NON-AI DAUGHTERS  | 6                     | 14,960                   | 3.5       | 525            |                    |                       |               |                          |        |
| STATES- 31     |       | 6 WITH HERD-MATES   | 6                     | 14,960                   | 3.5       | 525            | 2<br>DIFF.         | 16,943<br>1983-       | 556<br>31-    |                          |        |
| 1324122        | ..... | 7 NON-AI DAUGHTERS  | 9                     | 12,172                   | 3.8       | 465            |                    |                       |               |                          |        |
| STATES- 23     |       | 7 WITH HERD-MATES   | 9                     | 12,172                   | 3.8       | 465            | 12<br>DIFF.        | 14,764<br>2592-       | 551<br>86-    |                          |        |
| 1324171        | ..... | 5 NON-AI DAUGHTERS  | 5                     | 11,376                   | 3.7       | 422            |                    |                       |               |                          |        |
| STATES- 35, 82 |       | 5 WITH HERD-MATES   | 5                     | 11,376                   | 3.7       | 422            | 18<br>DIFF.        | 10,869<br>507         | 408<br>14     |                          |        |
| 1324328        | ..... | 10 NON-AI DAUGHTERS | 10                    | 14,380                   | 4.0       | 574            |                    |                       |               |                          |        |
| AI STUD, 48-01 |       | 10 WITH HERD-MATES  | 10                    | 14,380                   | 4.0       | 574            | 10<br>DIFF.        | 14,477<br>97-         | 539<br>35     |                          |        |
| STATES- 48     |       |                     |                       |                          |           |                |                    |                       |               |                          |        |
| 1324441        | ..... | 5 NON-AI DAUGHTERS  | 5                     | 12,662                   | 3.9       | 498            |                    |                       |               |                          |        |
| STATES- 21     |       | 5 WITH HERD-MATES   | 5                     | 12,662                   | 3.9       | 498            | 20<br>OIFF.        | 14,702<br>2040-       | 535<br>37-    |                          |        |
| 1324470        | ..... | 5 NON-AI DAUGHTERS  | 6                     | 12,383                   | 3.8       | 471            |                    |                       |               |                          |        |
| STATES- 33     |       | 5 WITH HERD-MATES   | 6                     | 12,383                   | 3.8       | 471            | 15<br>OIFF.        | 12,692<br>309-        | 468<br>3      |                          |        |
| 1324492        | ..... | 5 NON-AI DAUGHTERS  | 5                     | 12,636                   | 3.5       | 442            |                    |                       |               |                          |        |
| STATES- 42     |       | 5 WITH HERD-MATES   | 5                     | 12,636                   | 3.5       | 442            | 6<br>OIFF.         | 11,456<br>1180        | 441<br>1      |                          |        |
| 1324507        | ..... | 8 NON-AI DAUGHTERS  | 9                     | 10,325                   | 3.8       | 395            |                    |                       |               |                          |        |
| STATES- 41     |       | 8 WITH HERD-MATES   | 9                     | 10,325                   | 3.8       | 395            | 6<br>OIFF.         | 10,666<br>341-        | 398<br>3-     |                          |        |
| 1324535        | ..... | 6 NON-AI DAUGHTERS  | 6                     | 12,835                   | 3.6       | 464            |                    |                       |               |                          |        |
| STATES- 14     |       | 6 WITH HERD-MATES   | 6                     | 12,835                   | 3.6       | 464            | 30<br>OIFF.        | 13,513<br>678-        | 499<br>35-    |                          |        |
| 1324581        | ..... | 7 NON-AI DAUGHTERS  | 7                     | 9,596                    | 3.8       | 363            |                    |                       |               |                          |        |
| STATES- 34     |       | 7 WITH HERD-MATES   | 7                     | 9,596                    | 3.8       | 363            | 9<br>OIFF.         | 11,923<br>2327-       | 477<br>114-   |                          |        |
| 1324587        | ..... | 5 NON-AI DAUGHTERS  | 8                     | 13,164                   | 3.4       | 452            |                    |                       |               |                          |        |
| STATES- 41     |       | 5 WITH HERD-MATES   | 7                     | 13,341                   | 3.4       | 457            | 2<br>OIFF.         | 11,823<br>1518        | 442<br>15     |                          |        |
| 1324690        | ..... | 9 NON-AI DAUGHTERS  | 9                     | 12,098                   | 3.6       | 436            |                    |                       |               |                          |        |
| STATES- 21     |       | 9 WITH HERD-MATES   | 9                     | 12,098                   | 3.6       | 436            | 12<br>OIFF.        | 14,212<br>2114-       | 529<br>93-    |                          |        |
| 1324737        | ..... | 8 NON-AI DAUGHTERS  | 10                    | 12,686                   | 3.9       | 492            |                    |                       |               |                          |        |
| STATES- 16     |       | 8 WITH HERD-MATES   | 10                    | 12,686                   | 3.9       | 492            | 39<br>OIFF.        | 12,447<br>239         | 470<br>22     |                          |        |
| 1324924        | ..... | 5 NON-AI DAUGHTERS  | 5                     | 15,194                   | 3.5       | 538            |                    |                       |               |                          |        |
| STATES- 21     |       | 5 WITH HERD-MATES   | 5                     | 15,194                   | 3.5       | 538            | 28<br>OIFF.        | 14,048<br>1146        | 515<br>23     |                          |        |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN                     |                            |                    | AV. PRODUCTION OF | DAU.   | ADJ. HERD-MATES | AV. | PREDICTED                     | AV.        |
|------------------------------|----------------------------|--------------------|-------------------|--------|-----------------|-----|-------------------------------|------------|
|                              |                            |                    | RECORDS           | MILK   | TEST            | FAT | MILK                          | FAT        |
|                              |                            |                    | NUMBER            | LB     | %               | LB  | NUMBER                        | LB         |
| 1324956                      | .....                      | 5 NDN-AI DAUGHTERS | 5                 | 14,758 | 3.7             | 542 |                               |            |
| STATES- 33                   |                            | 5 WITH HERD-MATES  | 5                 | 14,758 | 3.7             | 542 | 11 DIFF. 13,646 495 1112 47   |            |
| 1324959                      | .....                      | 6 AI DAUGHTERS     | 6                 | 11,777 | 3.6             | 424 |                               |            |
| AI STUD, 33-03               |                            | 6 WITH HERD-MATES  | 6                 | 11,777 | 3.6             | 424 | 14 DIFF. 13,421 509 1644- 85- | 11,635 418 |
| STATES- 21,23,31,32,33       |                            | 2 NDN-AI DAUGHTERS | 2                 | 12,775 | 3.8             | 491 | 2 DIFF. 14,368 525 3328- 66-  |            |
|                              |                            | 1 WITH HERD-MATES  | 1                 | 11,040 | 4.2             | 459 |                               |            |
| 1324999                      | .....                      | 5 NDN-AI DAUGHTERS | 7                 | 12,720 | 3.6             | 455 |                               |            |
| STATES- 35                   |                            | 5 WITH HERD-MATES  | 7                 | 12,720 | 3.6             | 455 | 5 DIFF. 13,384 506 664- 51-   |            |
| 1325037                      | .....                      | 6 NDN-AI DAUGHTERS | 6                 | 14,378 | 3.4             | 495 |                               |            |
| STATES- 23                   |                            | 6 WITH HERD-MATES  | 6                 | 14,378 | 3.4             | 495 | 13 DIFF. 14,973 524 595- 29-  |            |
| 1325231                      | .....                      | 5 NDN-AI DAUGHTERS | 6                 | 15,125 | 3.7             | 561 |                               |            |
| STATES- 32                   |                            | 5 WITH HERD-MATES  | 6                 | 15,125 | 3.7             | 561 | 16 DIFF. 15,339 568 214- 7-   |            |
| 1325252                      | .....                      | 5 NDN-AI DAUGHTERS | 6                 | 11,443 | 3.6             | 415 |                               |            |
| STATES- 11                   |                            | 5 WITH HERD-MATES  | 6                 | 11,443 | 3.6             | 415 | 16 DIFF. 10,578 408 865 7     |            |
| 1325286                      | .....                      | 5 NDN-AI DAUGHTERS | 6                 | 11,726 | 3.9             | 453 |                               |            |
| STATES- 35                   |                            | 5 WITH HERD-MATES  | 6                 | 11,726 | 3.9             | 453 | 11 DIFF. 12,905 464 1179- 11- |            |
| 1325341                      | .....                      | 7 NDN-AI DAUGHTERS | 9                 | 14,844 | 3.8             | 558 |                               |            |
| STATES- 42                   |                            | 7 WITH HERD-MATES  | 9                 | 14,844 | 3.8             | 558 | 9 DIFF. 14,482 550 362 8      |            |
| 1325374                      | .....                      | 7 NDN-AI DAUGHTERS | 7                 | 14,074 | 3.7             | 522 |                               |            |
| STATES- 32                   |                            | 7 WITH HERD-MATES  | 7                 | 14,074 | 3.7             | 522 | 4 DIFF. 13,347 522 727        |            |
| 1325381                      | .....                      | 9 NDN-AI DAUGHTERS | 9                 | 12,073 | 3.5             | 426 |                               |            |
| STATES- 35                   |                            | 9 WITH HERD-MATES  | 9                 | 12,073 | 3.5             | 426 | 8 DIFF. 12,314 464 241- 38-   |            |
| 1325427                      | GENESEE ROYAL BELL8DY..... | 31 AI DAUGHTERS    | 31                | 12,387 | 3.6             | 451 |                               |            |
| 05-16-58 905683 3D64456      |                            | 31 WITH HERD-MATES | 31                | 12,387 | 3.6             | 451 | 20 DIFF. 13,856 501 1469- 50- | 11,201 412 |
| AI STUD, 21-01 LISTED, D8-63 |                            | 1 NDN-AI DAUGHTERS | 1                 | 12,250 | 3.7             | 454 | 13 DIFF. 13,490 492 1240- 38- |            |
| STATES- 13,21                |                            | 1 WITH HERD-MATES  | 1                 | 12,250 | 3.7             | 454 |                               |            |
| 1325513                      | .....                      | 8 NDN-AI DAUGHTERS | 8                 | 10,650 | 3.7             | 397 |                               |            |
| STATES- 21                   |                            | 8 WITH HERD-MATES  | 8                 | 10,650 | 3.7             | 397 | 30 DIFF. 12,607 467 1957- 70- |            |
| 1325559                      | .....                      | 5 NDN-AI DAUGHTERS | 5                 | 9,894  | 3.9             | 388 |                               |            |
| STATES- 21                   |                            | 5 WITH HERD-MATES  | 5                 | 9,894  | 3.9             | 388 | 13 DIFF. 12,220 449 2326- 61- |            |
| 1325582                      | .....                      | 6 NDN-AI DAUGHTERS | 6                 | 11,765 | 3.9             | 453 |                               |            |
| STATES- 87                   |                            | 6 WITH HERD-MATES  | 6                 | 11,765 | 3.9             | 453 | 32 DIFF. 12,560 462 795- 9-   |            |
| 1325658                      | .....                      | 6 NDN-AI DAUGHTERS | 6                 | 14,393 | 3.9             | 563 |                               |            |
| STATES- 23                   |                            | 6 WITH HERD-MATES  | 6                 | 14,393 | 3.9             | 563 | 26 DIFF. 13,670 501 723 62    |            |
| 1325708                      | .....                      | 8 NDN-AI DAUGHTERS | 8                 | 14,026 | 3.5             | 494 |                               |            |
| STATES- 23                   |                            | 8 WITH HERD-MATES  | 8                 | 14,026 | 3.5             | 494 | 19 DIFF. 14,310 525 284- 31-  |            |
| 1325715                      | .....                      | 5 NDN-AI DAUGHTERS | 5                 | 14,478 | 3.2             | 461 |                               |            |
| STATES- 35                   |                            | 5 WITH HERD-MATES  | 5                 | 14,478 | 3.2             | 461 | 2 DIFF. 12,892 477 1586 16-   |            |
| 1325743                      | .....                      | 6 NDN-AI DAUGHTERS | 6                 | 13,855 | 3.5             | 488 |                               |            |
| STATES- 32                   |                            | 6 WITH HERD-MATES  | 6                 | 13,855 | 3.5             | 488 | 37 DIFF. 12,591 467 1264 21   |            |
| 1325799                      | .....                      | 5 NDN-AI DAUGHTERS | 5                 | 12,386 | 3.4             | 424 |                               |            |
| STATES- 33                   |                            | 5 WITH HERD-MATES  | 5                 | 12,386 | 3.4             | 424 | 5 DIFF. 10,491 367 1895 57    |            |
| 1325889                      | .....                      | 4 AI DAUGHTERS     | 4                 | 13,525 | 3.9             | 531 |                               |            |
| AI STUD, 92-01               |                            | 4 WITH HERD-MATES  | 4                 | 13,525 | 3.9             | 531 | 4 DIFF. 12,497 442 1028 89    | 12,401 466 |
| STATES- 92                   |                            | 1 NDN-AI DAUGHTERS | 1                 | 11,170 | 4.0             | 450 | 26 DIFF. 11,158 381 12 69     |            |
|                              |                            | 1 WITH HERD-MATES  | 1                 | 11,170 | 4.0             | 450 |                               |            |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN                          | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|-----------------------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                                   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1326000 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 35                        | 6                      | 13,192     | 3.5       | 461       | 10                  | 12,311     | 442       |               |           |
|                                   | 6                      | 13,192     | 3.5       | 461       | DIFF.               | 881        | 19        |               |           |
| 1320084 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 41                        | 7                      | 13,824     | 3.7       | 505       | 21                  | 14,057     | 511       |               |           |
|                                   | 7                      | 13,824     | 3.7       | 505       | DIFF.               | 233-       | 6-        |               |           |
| 1326126 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 23,34                     | 6                      | 10,993     | 3.4       | 378       | 11                  | 12,592     | 447       |               |           |
|                                   | 6                      | 10,993     | 3.4       | 378       | DIFF.               | 1599-      | 69-       |               |           |
| 1326163 .....                     |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 21-01                    | 5                      | 15,066     | 3.8       | 566       | 11                  | 12,120     | 461       | 12,989        | 475       |
| STATES- 13,21                     | 5                      | 15,066     | 3.8       | 566       | DIFF.               | 2946       | 105       |               |           |
| 1326177 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 32,34                     | 6                      | 11,623     | 3.6       | 419       | 7                   | 12,787     | 464       |               |           |
|                                   | 6                      | 11,623     | 3.6       | 419       | DIFF.               | 1164-      | 45-       |               |           |
| 1326217 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 11                        | 15                     | 9,203      | 4.1       | 381       | 14                  | 11,007     | 407       |               |           |
|                                   | 15                     | 9,203      | 4.1       | 381       | DIFF.               | 1804-      | 26-       |               |           |
| 1326241 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 8                      | 12,554     | 3.7       | 459       | 16                  | 11,039     | 398       |               |           |
|                                   | 8                      | 12,554     | 3.7       | 459       | DIFF.               | 1515       | 61        |               |           |
| 1326286 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 6                      | 15,017     | 3.4       | 510       | 50                  | 15,007     | 504       |               |           |
|                                   | 6                      | 15,017     | 3.4       | 510       | DIFF.               | 10         | 6         |               |           |
| 1326344 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                        | 14                     | 14,771     | 4.1       | 608       | 10                  | 13,416     | 517       |               |           |
|                                   | 14                     | 14,771     | 4.1       | 608       | DIFF.               | 1355       | 91        |               |           |
| 1326442 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 8                      | 14,578     | 3.5       | 508       | 18                  | 15,358     | 527       |               |           |
|                                   | 8                      | 14,578     | 3.5       | 508       | DIFF.               | 780-       | 19-       |               |           |
| 1326461 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 5                      | 8,130      | 3.4       | 276       | 25                  | 12,403     | 410       |               |           |
|                                   | 5                      | 8,130      | 3.4       | 276       | DIFF.               | 4273-      | 134-      |               |           |
| 1326508 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 35                        | 5                      | 13,278     | 3.6       | 480       | 7                   | 12,361     | 431       |               |           |
|                                   | 5                      | 13,278     | 3.6       | 480       | DIFF.               | 917        | 49        |               |           |
| 1326524 .....                     |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 22-03                    | 5                      | 13,486     | 4.1       | 553       | 15                  | 14,295     | 533       |               |           |
| STATES- 21,23                     | 5                      | 13,486     | 4.1       | 553       | DIFF.               | 809-       | 20        |               |           |
| 1326554 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 7                      | 11,607     | 3.4       | 399       | 18                  | 11,645     | 398       |               |           |
|                                   | 7                      | 11,607     | 3.4       | 399       | DIFF.               | 38-        | 1         |               |           |
| 1326597 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 5                      | 15,440     | 3.2       | 501       | 17                  | 14,036     | 474       |               |           |
|                                   | 5                      | 15,440     | 3.2       | 501       | DIFF.               | 1404       | 27        |               |           |
| 1326671 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 6                      | 10,265     | 3.6       | 365       | 13                  | 9,029      | 330       |               |           |
|                                   | 6                      | 10,265     | 3.6       | 365       | DIFF.               | 1236       | 35        |               |           |
| 1326711 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 55,57                     | 7                      | 13,322     | 3.5       | 469       | 31                  | 13,555     | 474       |               |           |
|                                   | 7                      | 13,322     | 3.5       | 469       | DIFF.               | 233-       | 5-        |               |           |
| 1326723 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                        | 6                      | 12,942     | 3.9       | 510       | 18                  | 13,845     | 498       |               |           |
|                                   | 6                      | 12,942     | 3.9       | 510       | DIFF.               | 903-       | 12        |               |           |
| 1326781 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                        | 6                      | 13,120     | 3.7       | 488       | 12                  | 13,644     | 497       |               |           |
|                                   | 6                      | 13,120     | 3.7       | 488       | DIFF.               | 524-       | 9-        |               |           |
| 1326796 ZELDENRUST PURE GOLD..... |                        |            |           |           |                     |            |           |               |           |
| 01-28-58 1028260 3998939          | 19                     | 11,899     | 3.9       | 460       | 16                  | 14,179     | 511       |               |           |
| AI STUD, 34-01 LISTED, 08-63      | 18                     | 12,158     | 3.8       | 465       | DIFF.               | 2021-      | 46-       |               |           |
| STATES- 34                        |                        |            |           |           |                     |            |           |               |           |
| 1326832 .....                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 48                        | 11                     | 12,723     | 3.5       | 449       | 23                  | 13,087     | 464       |               |           |
|                                   | 11                     | 12,723     | 3.5       | 449       | DIFF.               | 364-       | 15-       |               |           |





## SIREs OF DHIA DAUGHTERS

| HOLSTEIN      | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |                 | PREDICTED AV. |           |
|---------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------------|---------------|-----------|
|               | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB       | MILK<br>LB    | FAT<br>LB |
| 1328050 ..... | 9 NDN-AI DAUGHTERS     | 10         | 10,360    | 4.0       | 418                 |            |                 |               |           |
| STATES- 31    | 9 WITH HERD-MATES      | 10         | 10,360    | 4.0       | 418                 | 2 DIFF.    | 11,419<br>1059- | 426<br>8-     |           |
| 1328247 ..... | 9 NDN-AI DAUGHTERS     | 10         | 11,934    | 3.6       | 432                 |            |                 |               |           |
| STATES- 33    | 9 WITH HERD-MATES      | 10         | 11,934    | 3.6       | 432                 | 39 DIFF.   | 10,584<br>1350  | 386<br>46     |           |
| 1328260 ..... | 5 NDN-AI DAUGHTERS     | 5          | 13,344    | 3.8       | 511                 |            |                 |               |           |
| STATES- 32    | 5 WITH HERD-MATES      | 5          | 13,344    | 3.8       | 511                 | 19 DIFF.   | 14,361<br>1017- | 557<br>46-    |           |
| 1328277 ..... | 9 NDN-AI DAUGHTERS     | 9          | 13,476    | 4.0       | 534                 |            |                 |               |           |
| STATES- 42    | 9 WITH HERD-MATES      | 9          | 13,476    | 4.0       | 534                 | 9 DIFF.    | 14,111<br>635-  | 553<br>19-    |           |
| 1328384 ..... | 10 NDN-AI DAUGHTERS    | 10         | 13,433    | 3.6       | 487                 |            |                 |               |           |
| STATES- 34    | 9 WITH HERD-MATES      | 9          | 13,304    | 3.7       | 490                 | 11 DIFF.   | 12,255<br>1049  | 441<br>49     |           |
| 1328440 ..... | 13 NDN-AI DAUGHTERS    | 13         | 11,572    | 3.5       | 409                 |            |                 |               |           |
| STATES- 13    | 13 WITH HERD-MATES     | 13         | 11,572    | 3.5       | 409                 | 17 DIFF.   | 11,329<br>243   | 404<br>5      |           |
| 1328500 ..... | 5 NDN-AI DAUGHTERS     | 7          | 13,526    | 4.1       | 549                 |            |                 |               |           |
| STATES- 41    | 5 WITH HERD-MATES      | 7          | 13,526    | 4.1       | 549                 | 11 DIFF.   | 14,170<br>644-  | 513<br>36     |           |
| 1328515 ..... | 8 NDN-AI DAUGHTERS     | 10         | 15,768    | 3.8       | 592                 |            |                 |               |           |
| STATES- 55    | 7 WITH HERD-MATES      | 9          | 15,738    | 3.7       | 583                 | 25 DIFF.   | 13,543<br>2195  | 497<br>86     |           |
| 1328520 ..... | 5 NDN-AI DAUGHTERS     | 5          | 9,946     | 3.8       | 375                 |            |                 |               |           |
| STATES- 47    | 5 WITH HERD-MATES      | 5          | 9,946     | 3.8       | 375                 | 45 DIFF.   | 10,211<br>265-  | 378<br>3-     |           |
| 1328545 ..... | 14 NDN-AI DAUGHTERS    | 15         | 13,146    | 3.9       | 508                 |            |                 |               |           |
| STATES- 23    | 14 WITH HERD-MATES     | 15         | 13,146    | 3.9       | 508                 | 32 DIFF.   | 11,737<br>1409  | 442<br>66     |           |
| 1328556 ..... | 8 NDN-AI DAUGHTERS     | 8          | 12,584    | 3.5       | 435                 |            |                 |               |           |
| STATES- 23    | 7 WITH HERD-MATES      | 7          | 13,200    | 3.3       | 439                 | 17 DIFF.   | 13,005<br>195   | 464<br>25-    |           |
| 1328572 ..... | 5 NDN-AI DAUGHTERS     | 5          | 16,150    | 4.0       | 643                 |            |                 |               |           |
| STATES- 35    | 5 WITH HERD-MATES      | 5          | 16,150    | 4.0       | 643                 | 7 DIFF.    | 14,332<br>1818  | 543<br>100    |           |
| 1328684 ..... | 6 NDN-AI DAUGHTERS     | 6          | 12,198    | 3.8       | 466                 |            |                 |               |           |
| STATES- 23    | 6 WITH HERD-MATES      | 6          | 12,198    | 3.8       | 466                 | 35 DIFF.   | 12,196<br>2     | 448<br>18     |           |
| 1328954 ..... | 5 NDN-AI DAUGHTERS     | 5          | 15,286    | 3.6       | 546                 |            |                 |               |           |
| STATES- 32    | 5 WITH HERD-MATES      | 5          | 15,286    | 3.6       | 546                 | 25 DIFF.   | 13,225<br>2061  | 484<br>62     |           |
| 1329023 ..... | 5 NDN-AI DAUGHTERS     | 5          | 13,582    | 3.7       | 503                 |            |                 |               |           |
| STATES- 87,92 | 5 WITH HERD-MATES      | 5          | 13,582    | 3.7       | 503                 | 11 DIFF.   | 11,381<br>2201  | 422<br>81     |           |
| 1329026 ..... | 5 NDN-AI DAUGHTERS     | 5          | 13,790    | 3.6       | 494                 |            |                 |               |           |
| STATES- 21    | 5 WITH HERD-MATES      | 5          | 13,790    | 3.6       | 494                 | 24 DIFF.   | 13,035<br>755   | 463<br>31     |           |
| 1329033 ..... | 10 NDN-AI DAUGHTERS    | 10         | 16,065    | 3.7       | 597                 |            |                 |               |           |
| STATES- 22    | 10 WITH HERD-MATES     | 10         | 16,065    | 3.7       | 597                 | 16 DIFF.   | 15,594<br>471   | 580<br>17     |           |
| 1329050 ..... | 5 NDN-AI DAUGHTERS     | 5          | 11,650    | 3.6       | 417                 |            |                 |               |           |
| STATES- 35    | 5 WITH HERD-MATES      | 5          | 11,650    | 3.6       | 417                 | 16 DIFF.   | 11,704<br>54-   | 419<br>2-     |           |
| 1329176 ..... | 6 NDN-AI DAUGHTERS     | 6          | 13,853    | 3.8       | 524                 |            |                 |               |           |
| STATES- 23    | 6 WITH HERD-MATES      | 6          | 13,853    | 3.8       | 524                 | 13 DIFF.   | 14,561<br>708-  | 552<br>28-    |           |
| 1329313 ..... | 8 NDN-AI DAUGHTERS     | 9          | 14,334    | 3.4       | 492                 |            |                 |               |           |
| STATES- 35    | 8 WITH HERD-MATES      | 9          | 14,334    | 3.4       | 492                 | 13 DIFF.   | 11,353<br>2981  | 416<br>76     |           |
| 1329328 ..... | 5 NDN-AI DAUGHTERS     | 5          | 9,434     | 3.8       | 361                 |            |                 |               |           |
| STATES- 35    | 5 WITH HERD-MATES      | 5          | 9,434     | 3.8       | 361                 | 48 DIFF.   | 10,776<br>1342- | 403<br>42-    |           |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                               |    |                  | AV. RECORDS | PRDUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|--|----|------------------|-------------|----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 1329384 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 54                             | 5  | NDN-AI DAUGHTERS | 5           | 8,958                | 3.7    | 327         |                 |                    |            |                       |            |
|  | 5  | WITH HERD-MATES  | 5           | 8,958                | 3.7    | 327         | 17              | 9,413              | 337        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 455-               | 10-        |                       |            |
| 1329476 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 48                             | 8  | NDN-AI DAUGHTERS | 8           | 15,256               | 3.6    | 542         |                 |                    |            |                       |            |
|  | 8  | WITH HERD-MATES  | 8           | 15,256               | 3.6    | 542         | 16              | 11,539             | 419        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 3717               | 123        |                       |            |
| 1329614 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 48                             | 8  | NDN-AI DAUGHTERS | 11          | 13,738               | 3.9    | 541         |                 |                    |            |                       |            |
|  | 8  | WITH HERD-MATES  | 11          | 13,738               | 3.9    | 541         | 11              | 12,474             | 461        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 1264               | 80         |                       |            |
| 1329667 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 14                             | 5  | NDN-AI DAUGHTERS | 5           | 12,674               | 3.8    | 477         |                 |                    |            |                       |            |
|  | 5  | WITH HERD-MATES  | 5           | 12,674               | 3.8    | 477         | 17              | 15,889             | 638        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 3215-              | 161-       |                       |            |
| 1329679 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 57                             | 6  | NDN-AI DAUGHTERS | 6           | 13,575               | 3.4    | 465         |                 |                    |            |                       |            |
|  | 6  | WITH HERD-MATES  | 6           | 13,575               | 3.4    | 465         | 21              | 13,481             | 456        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 94                 | 9          |                       |            |
| 1329686 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| AI STUD, 41-01                         | 10 | AI DAUGHTERS     | 10          | 12,786               | 3.7    | 474         |                 |                    |            |                       |            |
| STATES- 41,46                          | 10 | WITH HERD-MATES  | 10          | 12,786               | 3.7    | 474         | 35              | 13,013             | 470        | 12,072                | 447        |
|  |    |                  |             |                      |        |             | DIFF.           | 227-               | 4          |                       |            |
| 1329739 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 11                             | 11 | NDN-AI DAUGHTERS | 11          | 10,910               | 3.6    | 389         |                 |                    |            |                       |            |
|  | 11 | WITH HERD-MATES  | 11          | 10,910               | 3.6    | 389         | 10              | 9,792              | 374        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 1118               | 15         |                       |            |
| 1329740 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 21                             | 7  | NDN-AI DAUGHTERS | 7           | 14,074               | 4.0    | 563         |                 |                    |            |                       |            |
|  | 7  | WITH HERD-MATES  | 7           | 14,074               | 4.0    | 563         | 16              | 14,759             | 587        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 685-               | 24-        |                       |            |
| 1329779 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 21                             | 5  | NDN-AI DAUGHTERS | 5           | 10,072               | 3.4    | 347         |                 |                    |            |                       |            |
|  | 5  | WITH HERD-MATES  | 5           | 10,072               | 3.4    | 347         | 18              | 11,037             | 388        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 965-               | 41-        |                       |            |
| 1329844 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 13                             | 6  | NDN-AI DAUGHTERS | 7           | 10,520               | 3.8    | 405         |                 |                    |            |                       |            |
|  | 6  | WITH HERD-MATES  | 7           | 10,520               | 3.8    | 405         | 23              | 13,653             | 495        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 3133-              | 90-        |                       |            |
| 1329994 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 35                             | 7  | NDN-AI DAUGHTERS | 7           | 13,976               | 4.1    | 571         |                 |                    |            |                       |            |
|  | 7  | WITH HERD-MATES  | 7           | 13,976               | 4.1    | 571         | 23              | 12,799             | 476        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 1177               | 95         |                       |            |
| 1329999 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 71                             | 5  | NDN-AI DAUGHTERS | 5           | 12,160               | 3.3    | 401         |                 |                    |            |                       |            |
|  | 5  | WITH HERD-MATES  | 5           | 12,160               | 3.3    | 401         | 22              | 10,411             | 356        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 1749               | 45         |                       |            |
| 1330142 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 12                             | 6  | NDN-AI DAUGHTERS | 7           | 11,680               | 3.7    | 432         |                 |                    |            |                       |            |
|  | 6  | WITH HERD-MATES  | 7           | 11,680               | 3.7    | 432         | 22              | 11,747             | 434        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 67-                | 2-         |                       |            |
| 1330182 HARDEN FARMS DUKE MAESTRO..... |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| 04-08-58 1112211 3264133               | 58 | AI DAUGHTERS     | 58          | 13,365               | 3.6    | 476         |                 |                    |            |                       |            |
| AI STUD, 21-01 LISTED, 08-63           | 58 | WITH HERD-MATES  | 58          | 13,365               | 3.6    | 476         | 19              | 13,509             | 485        | 12,129                | 440        |
| STATES- 13,21,23                       |    |                  |             |                      |        |             | DIFF.           | 144-               | 9-         |                       |            |
| 1330183 HARDEN FARMS DUKE TRIUNE.....  |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| 05-18-58 1112211 2200823               | 26 | AI DAUGHTERS     | 26          | 13,007               | 3.7    | 479         |                 |                    |            |                       |            |
| AI STUD, 33-02 LISTED, 08-63           | 24 | WITH HERD-MATES  | 24          | 13,048               | 3.7    | 482         | 13              | 11,808             | 438        | 12,932                | 472        |
| STATES- 33                             |    |                  |             |                      |        |             | DIFF.           | 1240               | 44         |                       |            |
|  | 1  | NDN-AI DAUGHTERS | 1           | 13,720               | 4.0    | 544         |                 |                    |            |                       |            |
|  | 1  | WITH HERD-MATES  | 1           | 13,720               | 4.0    | 544         | 22              | 10,083             | 372        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 3637               | 172        |                       |            |
| 1330196 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 32                             | 5  | NDN-AI DAUGHTERS | 5           | 11,936               | 3.5    | 412         |                 |                    |            |                       |            |
|  | 5  | WITH HERD-MATES  | 5           | 11,936               | 3.5    | 412         | 3               | 12,333             | 479        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 397-               | 67-        |                       |            |
| 1330223 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| AI STUD, 21-01                         | 19 | AI DAUGHTERS     | 19          | 12,227               | 3.6    | 446         |                 |                    |            |                       |            |
| STATES- 21                             | 19 | WITH HERD-MATES  | 19          | 12,227               | 3.6    | 446         | 28              | 13,655             | 492        | 11,357                | 419        |
|  |    |                  |             |                      |        |             | DIFF.           | 1428-              | 46-        |                       |            |
| 1330394 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 21                             | 5  | NDN-AI DAUGHTERS | 5           | 11,130               | 3.9    | 439         |                 |                    |            |                       |            |
|  | 5  | WITH HERD-MATES  | 5           | 11,130               | 3.9    | 439         | 13              | 11,478             | 422        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 348-               | 17         |                       |            |
| 1330413 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 51                             | 11 | NDN-AI DAUGHTERS | 11          | 12,355               | 3.6    | 447         |                 |                    |            |                       |            |
|  | 11 | WITH HERD-MATES  | 11          | 12,355               | 3.6    | 447         | 23              | 12,395             | 468        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 40-                | 21-        |                       |            |
| 1330464 .....                          |    |                  |             |                      |        |             |                 |                    |            |                       |            |
| STATES- 23                             | 5  | NDN-AI DAUGHTERS | 5           | 13,992               | 3.3    | 466         |                 |                    |            |                       |            |
|  | 5  | WITH HERD-MATES  | 5           | 13,992               | 3.3    | 466         | 7               | 13,385             | 490        |                       |            |
|  |    |                  |             |                      |        |             | DIFF.           | 607                | 24-        |                       |            |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN                                  | AV. PRODUCTION OF |        |      |     | DAU.   |        |     | ADJ. HERD-MATES |        |     | PREDICTED AV. |     |
|---|-------------------|--------|------|-----|--------|--------|-----|-----------------|--------|-----|---------------|-----|
|   | RECORDS           | MILK   | TEST | FAT | NUMBER | L8     | %   | NUMBER          | MILK   | FAT | MILK          | FAT |
|   | NUMBER            |        |      | L8  |        |        |     |                 |        |     | LB            | LB  |
| 1330477 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 21                                | 6                 | 13,420 | 3.8  | 506 | 6      | 13,420 | 3.8 | 26              | 14,038 | 478 |               |     |
|   | 6                 | 13,420 | 3.8  | 506 |        |        |     | DIFF.           | 618-   | 28  |               |     |
| 1330529 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 33                                | 5                 | 9,219  | 3.9  | 360 | 6      | 9,219  | 3.9 | 8               | 11,158 | 408 |               |     |
|   | 5                 | 9,219  | 3.9  | 360 |        |        |     | DIFF.           | 1939-  | 48- |               |     |
| 1330634 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 34                                | 5                 | 13,026 | 3.7  | 486 | 5      | 13,026 | 3.7 | 15              | 13,378 | 482 |               |     |
|   | 5                 | 13,026 | 3.7  | 486 |        |        |     | DIFF.           | 352-   | 4   |               |     |
| 1330652 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| AI STUD, 31-02                            | 14                | 13,899 | 3.6  | 504 | 14     | 13,899 | 3.6 | 36              | 14,107 | 496 | 12,129        | 451 |
| STATES- 31,56                             | 14                | 13,899 | 3.6  | 504 |        |        |     | DIFF.           | 208-   | 8   |               |     |
| 1330656 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 46                                | 5                 | 12,730 | 3.5  | 448 | 5      | 12,730 | 3.5 | 18              | 13,422 | 457 |               |     |
|   | 5                 | 12,730 | 3.5  | 448 |        |        |     | DIFF.           | 692-   | 9-  |               |     |
| 1330681 SHAWS SCHOOLMASTER CRETE UNA..... |                   |        |      |     |        |        |     |                 |        |     |               |     |
| 04-22-58 1181068 3037363                  | 29                | 11,814 | 3.9  | 461 | 29     | 11,814 | 3.9 | 15              | 12,187 | 461 | 11,900        | 447 |
| AI STUD, 51-02 LISTED, 08-63              | 26                | 11,837 | 3.9  | 463 | 26     | 11,837 | 3.9 | DIFF.           | 350-   | 2   |               |     |
| STATES- 21,23,51,54                       |                   |        |      |     |        |        |     |                 |        |     |               |     |
| 1330683 SHAWS SCHOOLMASTER TIOY GOLD..... |                   |        |      |     |        |        |     |                 |        |     |               |     |
| 05-10-58 1181068 2752715                  | 56                | 13,052 | 3.6  | 469 | 56     | 13,052 | 3.6 | 16              | 14,164 | 510 | 11,545        | 422 |
| AI STUD, 21-01 LISTED, 08-63              | 55                | 13,242 | 3.6  | 476 | 55     | 13,242 | 3.6 | DIFF.           | 922-   | 34- |               |     |
| STATES- 13,16,21,23                       |                   |        |      |     |        |        |     |                 |        |     |               |     |
| 1330786 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 23                                | 9                 | 12,096 | 3.9  | 477 | 9      | 12,096 | 3.9 | 12              | 13,723 | 516 |               |     |
|   | 9                 | 12,096 | 3.9  | 477 |        |        |     | DIFF.           | 1627-  | 39- |               |     |
| 1330877 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 55                                | 6                 | 11,563 | 3.7  | 425 | 6      | 11,563 | 3.7 | 44              | 12,214 | 432 |               |     |
|   | 6                 | 11,563 | 3.7  | 425 |        |        |     | DIFF.           | 651-   | 7-  |               |     |
| 1330917 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 14                                | 5                 | 12,822 | 3.7  | 473 | 5      | 12,822 | 3.7 | 42              | 12,201 | 442 |               |     |
|   | 5                 | 12,822 | 3.7  | 473 |        |        |     | DIFF.           | 621    | 31  |               |     |
| 1330918 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 52                                | 7                 | 13,816 | 3.5  | 480 | 7      | 13,816 | 3.5 | 8               | 13,399 | 482 |               |     |
|   | 7                 | 13,816 | 3.5  | 480 |        |        |     | DIFF.           | 417    | 2-  |               |     |
| 1330920 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 23                                | 6                 | 13,490 | 3.5  | 472 | 6      | 13,490 | 3.5 | 34              | 12,368 | 447 |               |     |
|   | 6                 | 13,490 | 3.5  | 472 |        |        |     | DIFF.           | 1122   | 25  |               |     |
| 1330922 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 33                                | 5                 | 9,268  | 3.6  | 332 | 5      | 9,268  | 3.6 | 20              | 10,690 | 406 |               |     |
|   | 5                 | 9,268  | 3.6  | 332 |        |        |     | DIFF.           | 1422-  | 74- |               |     |
| 1330931 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 31                                | 5                 | 14,556 | 3.6  | 520 | 5      | 14,556 | 3.6 | 16              | 15,836 | 584 |               |     |
|   | 5                 | 14,556 | 3.6  | 520 |        |        |     | DIFF.           | 1280-  | 64- |               |     |
| 1330986 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 34                                | 6                 | 15,498 | 3.7  | 567 | 6      | 15,498 | 3.7 | 16              | 14,691 | 543 |               |     |
|   | 6                 | 15,498 | 3.7  | 567 |        |        |     | DIFF.           | 807    | 24  |               |     |
| 1331009 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 42                                | 6                 | 12,988 | 3.7  | 479 | 6      | 12,988 | 3.7 | 13              | 12,540 | 474 |               |     |
|   | 6                 | 12,988 | 3.7  | 479 |        |        |     | DIFF.           | 448    | 5   |               |     |
| 1331226 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 21                                | 5                 | 12,624 | 3.5  | 437 | 5      | 12,624 | 3.5 | 16              | 14,001 | 469 |               |     |
|   | 5                 | 12,624 | 3.5  | 437 |        |        |     | DIFF.           | 1377-  | 32- |               |     |
| 1331227 UNH GOLDEN REVELLER - TWIN.....   |                   |        |      |     |        |        |     |                 |        |     |               |     |
| 08-10-58 1181068 2874989                  | 117               | 13,181 | 3.8  | 496 | 117    | 13,181 | 3.8 | 16              | 13,507 | 514 | 11,991        | 435 |
| AI STUD, 23-05 LISTED, 08-63              | 116               | 13,210 | 3.8  | 497 | 116    | 13,210 | 3.8 | DIFF.           | 297-   | 17- |               |     |
| STATES- 23                                |                   |        |      |     |        |        |     |                 |        |     |               |     |
| 1331314 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 35,41                             | 5                 | 14,458 | 3.9  | 568 | 5      | 14,458 | 3.9 | 11              | 13,259 | 507 |               |     |
|   | 5                 | 14,458 | 3.9  | 568 |        |        |     | DIFF.           | 1199   | 61  |               |     |
| 1331428 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| AI STUD, 33-03                            | 10                | 13,782 | 3.7  | 513 | 10     | 13,782 | 3.7 | 16              | 12,601 | 469 | 12,688        | 465 |
| STATES- 13,14,21,23,32,34,41,52           | 10                | 13,782 | 3.7  | 513 |        |        |     | DIFF.           | 1181   | 44  |               |     |
| 1331443 .....                             |                   |        |      |     |        |        |     |                 |        |     |               |     |
| STATES- 21                                | 7                 | 13,737 | 3.4  | 461 | 7      | 13,737 | 3.4 | 27              | 12,899 | 460 |               |     |
|   | 7                 | 13,737 | 3.4  | 461 |        |        |     | DIFF.           | 838    | 1   |               |     |



## SIRE OF DHIA DAUGHTERS

| HDLSTEIN  |    |                  | AV. PRODUCTION OF DAU.                         | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|---|----|------------------|--|---------------------|-------------------|
|   |    |                  | RECORDS MILK TEST FAT NUMBER MILK FAT MILK FAT |                     |                   |
|   |    |                  | NUMBER LB % LB                                 | NUMBER LB LB        | LB LB             |
| 1331510 THONYMA IDEAL BURKE.....                |    |                  |  |                     |                   |
| 04-10-58 1113350 2616899 59 AI DAUGHTERS        |    |                  | 59 11,055 3.7 407                              |                     |                   |
| AI STUD, 11-01 LISTED, 08-63 56 WITH HERD-MATES |    |                  | 56 11,149 3.7 408                              | 14 13,046 492       | 10,654 379        |
| STATES- 11,12,14                                |    |                  |  | DIFF. 1897- 84-     |                   |
| 1331533 .....                                   |    |                  |  |                     |                   |
| STATES- 35                                      | 5  | NDN-AI DAUGHTERS | 5 11,314 3.5 399                               | 32 11,296 419       |                   |
|   | 5  | WITH HERD-MATES  | 5 11,314 3.5 399                               | DIFF. 18 20-        |                   |
| 1331556 .....                                   |    |                  |  |                     |                   |
| STATES- 34                                      | 6  | NDN-AI DAUGHTERS | 6 11,875 3.7 434                               | 9 13,717 498        |                   |
|   | 5  | WITH HERD-MATES  | 5 11,536 3.7 432                               | DIFF. 2181- 66-     |                   |
| 1331569 .....                                   |    |                  |  |                     |                   |
| STATES- 91                                      | 5  | NDN-AI DAUGHTERS | 8 14,367 4.0 574                               | 7 12,956 518        |                   |
|   | 5  | WITH HERD-MATES  | 8 14,367 4.0 574                               | DIFF. 1411 56       |                   |
| 1331668 .....                                   |    |                  |  |                     |                   |
| STATES- 21                                      | 9  | NDN-AI DAUGHTERS | 9 14,987 3.7 562                               | 19 15,150 555       |                   |
|   | 9  | WITH HERD-MATES  | 9 14,987 3.7 562                               | DIFF. 163- 7        |                   |
| 1331707 .....                                   |    |                  |  |                     |                   |
| STATES- 42                                      | 12 | NDN-AI DAUGHTERS | 12 13,244 3.5 469                              | 10 13,042 474       |                   |
|   | 12 | WITH HERD-MATES  | 12 13,244 3.5 469                              | DIFF. 202 5-        |                   |
| 1331938 .....                                   |    |                  |  |                     |                   |
| STATES- 23                                      | 11 | NDN-AI DAUGHTERS | 11 13,437 3.6 478                              | 20 13,649 512       |                   |
|   | 11 | WITH HERD-MATES  | 11 13,437 3.6 478                              | DIFF. 212- 34-      |                   |
| 1331950 HAWKEYE, WIS 8 I SUPREME.....           |    |                  |  |                     |                   |
| 01-08-58 1013415 2542139 18 AI DAUGHTERS        |    |                  | 18 11,763 3.6 428                              | 36 13,107 473       | 11,710 430        |
| AI STUD, 41-25 LISTED, 08-63 16 WITH HERD-MATES |    |                  | 16 12,265 3.6 446                              | DIFF. 842- 27-      |                   |
| STATES- 47                                      |    |                  |  |                     |                   |
| 1332072 .....                                   |    |                  |  |                     |                   |
| STATES- 21                                      | 5  | NDN-AI DAUGHTERS | 5 13,468 3.5 470                               | 25 12,834 444       |                   |
|   | 5  | WITH HERD-MATES  | 5 13,468 3.5 470                               | DIFF. 634 26        |                   |
| 1332161 .....                                   |    |                  |  |                     |                   |
| STATES- 22                                      | 8  | NDN-AI DAUGHTERS | 8 11,926 3.7 446                               | 41 12,047 439       |                   |
|   | 8  | WITH HERD-MATES  | 8 11,926 3.7 446                               | DIFF. 121- 7        |                   |
| 1332174 .....                                   |    |                  |  |                     |                   |
| STATES- 21                                      | 5  | NDN-AI DAUGHTERS | 5 14,190 3.4 488                               | 7 12,806 472        |                   |
|   | 5  | WITH HERD-MATES  | 5 14,190 3.4 488                               | DIFF. 1384 16       |                   |
| 1332331 .....                                   |    |                  |  |                     |                   |
| STATES- 41                                      | 7  | NDN-AI DAUGHTERS | 8 14,517 3.4 497                               | 8 13,457 491        |                   |
|   | 7  | WITH HERD-MATES  | 8 14,517 3.4 497                               | DIFF. 1060 6        |                   |
| 1332394 .....                                   |    |                  |  |                     |                   |
| STATES- 48                                      | 7  | NDN-AI DAUGHTERS | 8 14,147 3.9 553                               | 12 12,190 449       |                   |
|   | 7  | WITH HERD-MATES  | 7 14,276 3.9 560                               | DIFF. 2086 111      |                   |
| 1332426 .....                                   |    |                  |  |                     |                   |
| STATES- 21                                      | 9  | NDN-AI DAUGHTERS | 9 13,464 3.5 476                               | 41 13,737 461       |                   |
|   | 9  | WITH HERD-MATES  | 9 13,464 3.5 476                               | DIFF. 273- 15       |                   |
| 1332531 .....                                   |    |                  |  |                     |                   |
| STATES- 23                                      | 8  | NDN-AI DAUGHTERS | 12 19,388 3.8 734                              | 36 17,399 650       |                   |
|   | 8  | WITH HERD-MATES  | 12 19,388 3.8 734                              | DIFF. 1989 84       |                   |
| 1332555 .....                                   |    |                  |  |                     |                   |
| STATES- 82                                      | 8  | NDN-AI DAUGHTERS | 8 12,444 3.9 483                               | 31 13,499 523       |                   |
|   | 8  | WITH HERD-MATES  | 8 12,444 3.9 483                               | DIFF. 1055- 40-     |                   |
| 1332593 .....                                   |    |                  |  |                     |                   |
| STATES- 22                                      | 5  | NDN-AI DAUGHTERS | 5 15,568 3.5 538                               | 15 13,979 496       |                   |
|   | 5  | WITH HERD-MATES  | 5 15,568 3.5 538                               | DIFF. 1589 42       |                   |
| 1332637 .....                                   |    |                  |  |                     |                   |
| STATES- 21,22,51,55                             | 14 | NDN-AI DAUGHTERS | 14 14,576 3.4 496                              | 17 14,288 505       |                   |
|   | 14 | WITH HERD-MATES  | 14 14,576 3.4 496                              | DIFF. 288 9-        |                   |
| 1332657 .....                                   |    |                  |  |                     |                   |
| STATES- 23,52                                   | 7  | NDN-AI DAUGHTERS | 7 17,563 4.1 712                               | 24 16,950 655       |                   |
|   | 7  | WITH HERD-MATES  | 7 17,563 4.1 712                               | DIFF. 613 57        |                   |
| 1332670 .....                                   |    |                  |  |                     |                   |
| STATES- 14                                      | 8  | NDN-AI DAUGHTERS | 10 12,179 3.7 449                              | 6 14,046 511        |                   |
|   | 8  | WITH HERD-MATES  | 10 12,179 3.7 449                              | DIFF. 1867- 62-     |                   |
| 1332798 .....                                   |    |                  |  |                     |                   |
| STATES- 34                                      | 6  | NDN-AI DAUGHTERS | 6 12,632 3.6 452                               | 12 13,598 485       |                   |
|   | 6  | WITH HERD-MATES  | 6 12,632 3.6 452                               | DIFF. 966- 33-      |                   |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |       |                     | AV. RECORDS<br>NUMBER | PRODUCTION<br>MILK LB | OF TEST<br>% | DAU.<br>FAT LB | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK LB | AV.<br>FAT LB | PREDICTED AV.<br>MILK LB | FAT LB |
|----------------|-------|---------------------|-----------------------|-----------------------|--------------|----------------|-----------------------|-----------------------|---------------|--------------------------|--------|
| 1332960        | ..... | 8 NDN-AI DAUGHTERS  | 8                     | 15,116                | 3.6          | 540            |                       |                       |               |                          |        |
| STATES- 21     | 8     | WITH HERD-MATES     | 8                     | 15,116                | 3.6          | 540            | 2<br>DIFF.            | 12,722<br>2394        | 479<br>61     |                          |        |
| 1333022        | ..... | 6 NDN-AI DAUGHTERS  | 6                     | 13,602                | 3.5          | 478            |                       |                       |               |                          |        |
| STATES- 21     | 6     | WITH HERD-MATES     | 6                     | 13,602                | 3.5          | 478            | 32<br>DIFF.           | 13,491<br>111         | 460<br>18     |                          |        |
| 1333083        | ..... | 6 NDN-AI DAUGHTERS  | 6                     | 16,560                | 3.7          | 607            |                       |                       |               |                          |        |
| STATES- 93     | 6     | WITH HERD-MATES     | 6                     | 16,560                | 3.7          | 607            | 26<br>DIFF.           | 17,300<br>740-        | 631<br>24-    |                          |        |
| 1333186        | ..... | 9 NDN-AI DAUGHTERS  | 9                     | 14,289                | 3.9          | 554            |                       |                       |               |                          |        |
| STATES- 52     | 9     | WITH HERD-MATES     | 9                     | 14,289                | 3.9          | 554            | 6<br>DIFF.            | 14,127<br>162         | 521<br>33     |                          |        |
| 1333272        | ..... | 7 NDN-AI DAUGHTERS  | 7                     | 14,030                | 4.0          | 560            |                       |                       |               |                          |        |
| STATES- 23     | 7     | WITH HERD-MATES     | 7                     | 14,030                | 4.0          | 560            | 22<br>DIFF.           | 14,534<br>504-        | 554<br>6      |                          |        |
| 1333319        | ..... | 6 NDN-AI DAUGHTERS  | 6                     | 15,135                | 3.6          | 545            |                       |                       |               |                          |        |
| STATES- 35     | 6     | WITH HERD-MATES     | 6                     | 15,135                | 3.6          | 545            | 19<br>DIFF.           | 13,659<br>1476        | 504<br>41     |                          |        |
| 1333443        | ..... | 5 NDN-AI DAUGHTERS  | 6                     | 13,708                | 3.6          | 487            |                       |                       |               |                          |        |
| STATES- 21     | 5     | WITH HERD-MATES     | 6                     | 13,708                | 3.6          | 487            | 65<br>DIFF.           | 14,989<br>1281-       | 543<br>56-    |                          |        |
| 1333509        | ..... | 5 NDN-AI DAUGHTERS  | 7                     | 11,404                | 4.0          | 453            |                       |                       |               |                          |        |
| STATES- 45     | 5     | WITH HERD-MATES     | 7                     | 11,404                | 4.0          | 453            | 7<br>DIFF.            | 12,155<br>751-        | 461<br>8-     |                          |        |
| 1333532        | ..... | 5 NDN-AI DAUGHTERS  | 5                     | 12,420                | 3.5          | 437            |                       |                       |               |                          |        |
| STATES- 32     | 5     | WITH HERD-MATES     | 5                     | 12,420                | 3.5          | 437            | 5<br>DIFF.            | 12,779<br>359-        | 451<br>14-    |                          |        |
| 1333641        | ..... | 5 AI DAUGHTERS      | 5                     | 11,360                | 3.8          | 430            |                       |                       |               |                          |        |
| AI SIUD, 33-03 | 3     | WITH HERD-MATES     | 3                     | 11,647                | 4.1          | 476            | 17<br>DIFF.           | 14,293<br>2646-       | 524<br>48-    | 11,649                   | 436    |
| STATES- 23,31  |       |                     |                       |                       |              |                |                       |                       |               |                          |        |
| 1333705        | ..... | 5 NDN-AI DAUGHTERS  | 5                     | 18,024                | 4.1          | 741            |                       |                       |               |                          |        |
| STATES- 47     | 5     | WITH HERD-MATES     | 5                     | 18,024                | 4.1          | 741            | 31<br>DIFF.           | 15,850<br>2174        | 563<br>178    |                          |        |
| 1333825        | ..... | 7 NDN-AI DAUGHTERS  | 7                     | 12,810                | 4.0          | 508            |                       |                       |               |                          |        |
| STATES- 23     | 7     | WITH HERD-MATES     | 7                     | 12,810                | 4.0          | 508            | 11<br>DIFF.           | 14,569<br>1759-       | 572<br>64-    |                          |        |
| 1333890        | ..... | 5 NDN-AI DAUGHTERS  | 5                     | 13,380                | 4.1          | 548            |                       |                       |               |                          |        |
| STATES- 23     | 5     | WITH HERD-MATES     | 5                     | 13,380                | 4.1          | 548            | 9<br>DIFF.            | 12,390<br>990         | 463<br>85     |                          |        |
| 1334000        | ..... | 5 NDN-AI DAUGHTERS  | 5                     | 13,132                | 3.8          | 495            |                       |                       |               |                          |        |
| STATES- 93     | 5     | WITH HERD-MATES     | 5                     | 13,132                | 3.8          | 495            | 44<br>DIFF.           | 14,886<br>1754-       | 528<br>33-    |                          |        |
| 1334035        | ..... | 20 NDN-AI DAUGHTERS | 20                    | 14,419                | 4.5          | 655            |                       |                       |               |                          |        |
| STATES- 43     | 20    | WITH HERD-MATES     | 20                    | 14,419                | 4.5          | 655            | 13<br>DIFF.           | 10,953<br>3466        | 412<br>243    |                          |        |
| 1334130        | ..... | 6 NDN-AI DAUGHTERS  | 6                     | 14,035                | 3.8          | 535            |                       |                       |               |                          |        |
| STATES- 47     | 6     | WITH HERD-MATES     | 6                     | 14,035                | 3.8          | 535            | 15<br>DIFF.           | 12,848<br>1187        | 472<br>63     |                          |        |
| 1334140        | ..... | 5 NDN-AI DAUGHTERS  | 6                     | 15,874                | 3.6          | 573            |                       |                       |               |                          |        |
| STATES- 87     | 5     | WITH HERD-MATES     | 6                     | 15,874                | 3.6          | 573            | 11<br>DIFF.           | 13,572<br>2302        | 469<br>104    |                          |        |
| 1334249        | ..... | 5 NDN-AI DAUGHTERS  | 5                     | 15,446                | 3.8          | 580            |                       |                       |               |                          |        |
| STATES- 13     | 5     | WITH HERD-MATES     | 5                     | 15,446                | 3.8          | 580            | 13<br>DIFF.           | 15,440<br>6           | 584<br>4-     |                          |        |
| 1334313        | ..... | 5 NDN-AI DAUGHTERS  | 5                     | 6,004                 | 3.9          | 235            |                       |                       |               |                          |        |
| STATES- 47     | 3     | WITH HERD-MATES     | 3                     | 6,637                 | 3.9          | 258            | 8<br>DIFF.            | 8,230<br>1593-        | 322<br>64-    |                          |        |
| 1334418        | ..... | 7 NDN-AI DAUGHTERS  | 7                     | 13,194                | 3.9          | 510            |                       |                       |               |                          |        |
| STATES- 23     | 7     | WITH HERD-MATES     | 7                     | 13,194                | 3.9          | 510            | 13<br>DIFF.           | 14,181<br>987-        | 540<br>30-    |                          |        |
| 1334474        | ..... | 6 NDN-AI DAUGHTERS  | 6                     | 11,725                | 3.7          | 438            |                       |                       |               |                          |        |
| STATES- 33,41  | 6     | WITH HERD-MATES     | 6                     | 11,725                | 3.7          | 438            | 12<br>DIFF.           | 11,900<br>175-        | 417<br>21     |                          |        |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN       |    |                  | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK LB | TEST<br>% | DAU.<br>FAT LB | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK LB | AV.<br>FAT LB | PREDICTED AV.<br>MILK LB | FAT LB |
|----------------|----|------------------|-----------------------|--------------------------|-----------|----------------|-----------------------|-----------------------|---------------|--------------------------|--------|
| 1334633 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 45     | 6  | NON-AI DAUGHTERS | 6                     | 15,973                   | 3.6       | 581            |                       |                       |               |                          |        |
|                | 6  | WITH HERD-MATES  | 6                     | 15,973                   | 3.6       | 581            | 5                     | 13,598                | 476           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 2375                  | 105           |                          |        |
| 1334642 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| AI STUD, 35-05 | 5  | AI DAUGHTERS     | 5                     | 15,332                   | 3.9       | 593            |                       |                       |               |                          |        |
| STATES- 45     | 5  | WITH HERD-MATES  | 5                     | 15,332                   | 3.9       | 593            | 7                     | 12,987                | 469           | 12,840                   | 481    |
|                |    |                  |                       |                          |           |                | DIFF.                 | 2345                  | 124           |                          |        |
| 1334892 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 51     | 10 | NON-AI DAUGHTERS | 11                    | 10,344                   | 3.8       | 398            |                       |                       |               |                          |        |
|                | 10 | WITH HERD-MATES  | 11                    | 10,344                   | 3.8       | 398            | 8                     | 11,591                | 439           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1247-                 | 41-           |                          |        |
| 1334945 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 21     | 5  | NON-AI DAUGHTERS | 6                     | 15,469                   | 3.6       | 559            |                       |                       |               |                          |        |
|                | 5  | WITH HERD-MATES  | 6                     | 15,469                   | 3.6       | 559            | 35                    | 16,769                | 626           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1300-                 | 67-           |                          |        |
| 1335094 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 23     | 8  | NON-AI DAUGHTERS | 8                     | 13,824                   | 3.7       | 512            |                       |                       |               |                          |        |
|                | 8  | WITH HERD-MATES  | 8                     | 13,824                   | 3.7       | 512            | 37                    | 13,107                | 481           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 717                   | 31            |                          |        |
| 1335152 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 52     | 5  | NON-AI DAUGHTERS | 5                     | 13,224                   | 3.7       | 484            |                       |                       |               |                          |        |
|                | 5  | WITH HERD-MATES  | 5                     | 13,224                   | 3.7       | 484            | 27                    | 14,074                | 556           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 850-                  | 72-           |                          |        |
| 1335260 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 41     | 5  | NON-AI DAUGHTERS | 5                     | 9,566                    | 3.5       | 333            |                       |                       |               |                          |        |
|                | 5  | WITH HERD-MATES  | 5                     | 9,566                    | 3.5       | 333            | 4                     | 11,425                | 449           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1859-                 | 116-          |                          |        |
| 1335274 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 52     | 12 | NON-AI DAUGHTERS | 12                    | 12,361                   | 3.7       | 454            |                       |                       |               |                          |        |
|                | 11 | WITH HERD-MATES  | 11                    | 12,402                   | 3.7       | 454            | 24                    | 13,777                | 496           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1375-                 | 42-           |                          |        |
| 1335373 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 52     | 9  | NON-AI DAUGHTERS | 9                     | 9,960                    | 3.5       | 348            |                       |                       |               |                          |        |
|                | 9  | WITH HERD-MATES  | 9                     | 9,960                    | 3.5       | 348            | 8                     | 11,093                | 391           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1133-                 | 43-           |                          |        |
| 1335545 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 31     | 8  | NON-AI DAUGHTERS | 8                     | 12,235                   | 3.8       | 471            |                       |                       |               |                          |        |
|                | 6  | WITH HERD-MATES  | 6                     | 12,380                   | 3.9       | 478            | 21                    | 14,000                | 514           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1620-                 | 36-           |                          |        |
| 1335602 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 42     | 6  | NON-AI DAUGHTERS | 6                     | 15,623                   | 3.5       | 554            |                       |                       |               |                          |        |
|                | 6  | WITH HERD-MATES  | 6                     | 15,623                   | 3.5       | 554            | 7                     | 14,885                | 531           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 738                   | 23            |                          |        |
| 1335668 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 51     | 6  | NON-AI DAUGHTERS | 6                     | 10,823                   | 3.9       | 418            |                       |                       |               |                          |        |
|                | 5  | WITH HERD-MATES  | 5                     | 11,282                   | 3.8       | 433            | 24                    | 10,789                | 389           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 493                   | 44            |                          |        |
| 1335721 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 35     | 9  | NON-AI DAUGHTERS | 9                     | 17,308                   | 3.7       | 636            |                       |                       |               |                          |        |
|                | 9  | WITH HERD-MATES  | 9                     | 17,308                   | 3.7       | 636            | 13                    | 16,428                | 616           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 880                   | 20            |                          |        |
| 1335811 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 42, 87 | 5  | NON-AI DAUGHTERS | 6                     | 15,962                   | 3.5       | 556            |                       |                       |               |                          |        |
|                | 5  | WITH HERD-MATES  | 6                     | 15,962                   | 3.5       | 556            | 17                    | 14,254                | 499           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1708                  | 57            |                          |        |
| 1335844 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 21     | 5  | NON-AI DAUGHTERS | 5                     | 10,532                   | 3.2       | 340            |                       |                       |               |                          |        |
|                | 5  | WITH HERD-MATES  | 5                     | 10,532                   | 3.2       | 340            | 28                    | 12,003                | 417           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1471-                 | 77-           |                          |        |
| 1335855 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 42     | 5  | NON-AI DAUGHTERS | 5                     | 12,708                   | 4.0       | 513            |                       |                       |               |                          |        |
|                | 5  | WITH HERD-MATES  | 5                     | 12,708                   | 4.0       | 513            | 17                    | 12,306                | 479           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 402                   | 34            |                          |        |
| 1335901 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 48     | 6  | NON-AI DAUGHTERS | 6                     | 14,770                   | 3.6       | 538            |                       |                       |               |                          |        |
|                | 6  | WITH HERD-MATES  | 6                     | 14,770                   | 3.6       | 538            | 45                    | 12,856                | 462           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1914                  | 76            |                          |        |
| 1335930 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 35     | 6  | NON-AI DAUGHTERS | 7                     | 11,112                   | 3.9       | 438            |                       |                       |               |                          |        |
|                | 6  | WITH HERD-MATES  | 7                     | 11,112                   | 3.9       | 438            | 10                    | 12,333                | 459           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1221-                 | 21-           |                          |        |
| 1335978 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 57     | 8  | NON-AI DAUGHTERS | 8                     | 14,605                   | 3.8       | 553            |                       |                       |               |                          |        |
|                | 8  | WITH HERD-MATES  | 8                     | 14,605                   | 3.8       | 553            | 46                    | 14,696                | 558           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 91-                   | 5-            |                          |        |
| 1336037 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 35     | 6  | NON-AI DAUGHTERS | 6                     | 13,125                   | 3.7       | 481            |                       |                       |               |                          |        |
|                | 6  | WITH HERD-MATES  | 6                     | 13,125                   | 3.7       | 481            | 4                     | 13,487                | 485           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 362-                  | 4-            |                          |        |
| 1336098 .....  |    |                  |                       |                          |           |                |                       |                       |               |                          |        |
| STATES- 51     | 6  | NON-AI DAUGHTERS | 6                     | 10,830                   | 3.7       | 400            |                       |                       |               |                          |        |
|                | 6  | WITH HERD-MATES  | 6                     | 10,830                   | 3.7       | 400            | 13                    | 12,382                | 463           |                          |        |
|                |    |                  |                       |                          |           |                | DIFF.                 | 1552-                 | 63-           |                          |        |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN       |                     |    | AV. PRODUCTION OF DAU.                         | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|----------------|---------------------|----|--|---------------------|-------------------|
|                |                     |    | RECORDS MILK TEST FAT NUMBER MILK FAT MILK FAT |                     |                   |
|                |                     |    | NUMBER LB % LB NUMBER LB LB LB LB LB           |                     |                   |
| 1336215 .....  | 5 NDN-AI DAUGHTERS  | 5  | 9,006 3.9 353                                  |                     |                   |
| STATES- 43     | 5 WITH HERD-MATES   | 5  | 9,006 3.9 353                                  | 37 12,154 442       |                   |
|                |                     |    |  | DIFF. 3148-         | 89-               |
| 1336223 .....  | 8 NDN-AI DAUGHTERS  | 8  | 11,744 3.4 396                                 |                     |                   |
| STATES- 34     | 8 WITH HERD-MATES   | 8  | 11,744 3.4 396                                 | 35 13,735 471       |                   |
|                |                     |    |  | DIFF. 1991-         | 75-               |
| 1336274 .....  | 5 AI DAUGHTERS      | 5  | 14,922 3.5 523                                 |                     |                   |
| AI STUD, 55-01 | 5 WITH HERD-MATES   | 5  | 14,922 3.5 523                                 | 16 15,863 596       | 11,970 427        |
| STATES- 55     |                     |    |  | DIFF. 941-          | 73-               |
| 1336435 .....  | 9 NDN-AI DAUGHTERS  | 9  | 13,330 3.6 478                                 |                     |                   |
| STATES- 51     | 9 WITH HERD-MATES   | 9  | 13,330 3.6 478                                 | 20 13,082 469       |                   |
|                |                     |    |  | DIFF. 248           | 9                 |
| 1336471 .....  | 6 NDN-AI DAUGHTERS  | 6  | 16,997 3.6 612                                 |                     |                   |
| STATES- 71     | 6 WITH HERD-MATES   | 6  | 16,997 3.6 612                                 | 29 16,309 600       |                   |
|                |                     |    |  | DIFF. 688           | 12                |
| 1336508 .....  | 7 NDN-AI DAUGHTERS  | 9  | 10,024 3.9 390                                 |                     |                   |
| STATES- 21     | 7 WITH HERD-MATES   | 9  | 10,024 3.9 390                                 | 9 11,235 420        |                   |
|                |                     |    |  | DIFF. 1211-         | 30-               |
| 1336521 .....  | 7 NDN-AI DAUGHTERS  | 7  | 16,637 3.5 587                                 |                     |                   |
| STATES- 21     | 7 WITH HERD-MATES   | 7  | 16,637 3.5 587                                 | 61 14,575 553       |                   |
|                |                     |    |  | DIFF. 2062          | 34                |
| 1336645 .....  | 8 NDN-AI DAUGHTERS  | 8  | 14,146 3.6 505                                 |                     |                   |
| STATES- 33     | 8 WITH HERD-MATES   | 8  | 14,146 3.6 505                                 | 12 14,170 501       |                   |
|                |                     |    |  | DIFF. 24-           | 4                 |
| 1336715 .....  | 5 NDN-AI DAUGHTERS  | 9  | 12,147 3.7 450                                 |                     |                   |
| STATES- 55     | 5 WITH HERD-MATES   | 9  | 12,147 3.7 450                                 | 14 12,162 430       |                   |
|                |                     |    |  | DIFF. 15-           | 20                |
| 1336748 .....  | 6 NDN-AI DAUGHTERS  | 7  | 11,932 3.7 440                                 |                     |                   |
| STATES- 35     | 6 WITH HERD-MATES   | 7  | 11,932 3.7 440                                 | 12 13,252 526       |                   |
|                |                     |    |  | DIFF. 1320-         | 86-               |
| 1336759 .....  | 8 NDN-AI DAUGHTERS  | 8  | 10,448 3.5 369                                 |                     |                   |
| STATES- 52     | 8 WITH HERD-MATES   | 8  | 10,448 3.5 369                                 | 18 10,227 364       |                   |
|                |                     |    |  | DIFF. 221           | 5                 |
| 1336956 .....  | 5 NDN-AI DAUGHTERS  | 5  | 14,760 3.5 513                                 |                     |                   |
| STATES- 42     | 5 WITH HERD-MATES   | 5  | 14,760 3.5 513                                 | 10 15,008 532       |                   |
|                |                     |    |  | DIFF. 248-          | 19-               |
| 1337178 .....  | 10 NDN-AI DAUGHTERS | 10 | 13,393 3.8 508                                 |                     |                   |
| STATES- 23     | 10 WITH HERD-MATES  | 10 | 13,393 3.8 508                                 | 10 13,297 478       |                   |
|                |                     |    |  | DIFF. 96            | 30                |
| 1337337 .....  | 5 NDN-AI DAUGHTERS  | 7  | 14,959 3.7 550                                 |                     |                   |
| STATES- 35     | 5 WITH HERD-MATES   | 7  | 14,959 3.7 550                                 | 15 15,654 561       |                   |
|                |                     |    |  | DIFF. 695-          | 11-               |
| 1337376 .....  | 6 NDN-AI DAUGHTERS  | 6  | 11,470 3.7 422                                 |                     |                   |
| STATES- 21     | 6 WITH HERD-MATES   | 6  | 11,470 3.7 422                                 | 37 11,548 423       |                   |
|                |                     |    |  | DIFF. 78-           | 1-                |
| 1337506 .....  | 5 NDN-AI DAUGHTERS  | 6  | 11,340 3.4 381                                 |                     |                   |
| STATES- 35     | 5 WITH HERD-MATES   | 6  | 11,340 3.4 381                                 | 12 11,857 428       |                   |
|                |                     |    |  | DIFF. 517-          | 47-               |
| 1337618 .....  | 6 NDN-AI DAUGHTERS  | 6  | 14,328 3.2 457                                 |                     |                   |
| STATES- 57     | 6 WITH HERD-MATES   | 6  | 14,328 3.2 457                                 | 18 13,736 458       |                   |
|                |                     |    |  | DIFF. 592           | 1-                |
| 1337628 .....  | 5 NDN-AI DAUGHTERS  | 5  | 11,670 3.5 408                                 |                     |                   |
| STATES- 48     | 5 WITH HERD-MATES   | 5  | 11,670 3.5 408                                 | 59 12,612 465       |                   |
|                |                     |    |  | DIFF. 942-          | 57-               |
| 1337647 .....  | 5 AI DAUGHTERS      | 5  | 13,288 3.7 486                                 |                     |                   |
| AI STUD, 35-05 | 5 WITH HERD-MATES   | 5  | 13,288 3.7 486                                 | 12 12,752 467       | 12,308 450        |
| STATES- 35     |                     |    |  | DIFF. 536           | 19                |
| 1337676 .....  | 6 NDN-AI DAUGHTERS  | 7  | 11,045 3.3 368                                 |                     |                   |
| STATES- 21     | 6 WITH HERD-MATES   | 7  | 11,045 3.3 368                                 | 10 13,575 474       |                   |
|                |                     |    |  | DIFF. 2530-         | 106-              |
| 1337728 .....  | 6 NDN-AI DAUGHTERS  | 6  | 11,442 4.0 455                                 |                     |                   |
| STATES- 48     | 6 WITH HERD-MATES   | 6  | 11,442 4.0 455                                 | 7 10,740 412        |                   |
|                |                     |    |  | DIFF. 702           | 43                |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN            | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |             |                 | PREDICTED AV. |           |
|---------------------|------------------------|------------|-----------|-----------|---------------------|-------------|-----------------|---------------|-----------|
|                     | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB  | FAT<br>LB       | MILK<br>LB    | FAT<br>LB |
| 1337814 .....       | 7 NON-AI DAUGHTERS     | 7          | 13,814    | 3.4       | 467                 |             |                 |               |           |
| STATES- 21          | 7 WITH HERD-MATES      | 7          | 13,814    | 3.4       | 467                 | 18<br>DIFF. | 13,809<br>5     | 464<br>3      |           |
| 1337831 .....       | 7 NON-AI DAUGHTERS     | 9          | 13,393    | 3.9       | 520                 |             |                 |               |           |
| STATES- 48          | 7 WITH HERD-MATES      | 9          | 13,393    | 3.9       | 520                 | 37<br>DIFF. | 12,956<br>437   | 472<br>48     |           |
| 1338135 .....       | 6 NON-AI DAUGHTERS     | 6          | 14,682    | 3.6       | 528                 |             |                 |               |           |
| STATES- 21          | 6 WITH HERD-MATES      | 6          | 14,682    | 3.6       | 528                 | 11<br>DIFF. | 15,583<br>901-  | 586<br>58-    |           |
| 1338140 .....       | 6 NON-AI DAUGHTERS     | 6          | 11,883    | 3.5       | 412                 |             |                 |               |           |
| STATES- 34          | 6 WITH HERD-MATES      | 6          | 11,883    | 3.5       | 412                 | 4<br>DIFF.  | 12,241<br>358-  | 431<br>19-    |           |
| 1338175 .....       | 5 NON-AI DAUGHTERS     | 5          | 11,766    | 3.3       | 394                 |             |                 |               |           |
| STATES- 11          | 5 WITH HERD-MATES      | 5          | 11,766    | 3.3       | 394                 | 14<br>DIFF. | 14,137<br>2371- | 520<br>126-   |           |
| 1338181 .....       | 5 NON-AI DAUGHTERS     | 5          | 12,748    | 3.8       | 481                 |             |                 |               |           |
| STATES- 32          | 5 WITH HERD-MATES      | 5          | 12,748    | 3.8       | 481                 | 14<br>DIFF. | 12,447<br>301   | 460<br>21     |           |
| 1338191 .....       | 7 NON-AI DAUGHTERS     | 8          | 11,989    | 3.7       | 445                 |             |                 |               |           |
| AI STUD, 34-01      | 7 WITH HERD-MATES      | 8          | 11,989    | 3.7       | 445                 | 13<br>DIFF. | 13,044<br>1055- | 472<br>27-    |           |
| STATES- 13,16,21,34 |                        |            |           |           |                     |             |                 |               |           |
| 1338274 .....       | 9 NON-AI DAUGHTERS     | 9          | 10,264    | 3.7       | 375                 |             |                 |               |           |
| STATES- 63,65       | 9 WITH HERD-MATES      | 9          | 10,264    | 3.7       | 375                 | 8<br>DIFF.  | 10,454<br>190-  | 381<br>6-     |           |
| 1338276 .....       | 6 NON-AI DAUGHTERS     | 6          | 11,495    | 3.9       | 451                 |             |                 |               |           |
| STATES- 21          | 6 WITH HERD-MATES      | 6          | 11,495    | 3.9       | 451                 | 42<br>DIFF. | 12,963<br>1468- | 476<br>25-    |           |
| 1338285 .....       | 5 NON-AI DAUGHTERS     | 7          | 11,843    | 3.7       | 440                 |             |                 |               |           |
| STATES- 61          | 5 WITH HERD-MATES      | 7          | 11,843    | 3.7       | 440                 | 24<br>DIFF. | 13,925<br>2082- | 507<br>67-    |           |
| 1338441 .....       | 8 NON-AI DAUGHTERS     | 11         | 14,146    | 3.6       | 513                 |             |                 |               |           |
| STATES- 23          | 8 WITH HERD-MATES      | 11         | 14,146    | 3.6       | 513                 | 11<br>DIFF. | 14,164<br>18-   | 517<br>4-     |           |
| 1338573 .....       | 5 NON-AI DAUGHTERS     | 5          | 14,864    | 3.7       | 551                 |             |                 |               |           |
| STATES- 35          | 5 WITH HERD-MATES      | 5          | 14,864    | 3.7       | 551                 | 9<br>DIFF.  | 13,910<br>954   | 496<br>55     |           |
| 1338611 .....       | 6 NON-AI DAUGHTERS     | 6          | 12,070    | 3.7       | 452                 |             |                 |               |           |
| STATES- 41          | 6 WITH HERD-MATES      | 6          | 12,070    | 3.7       | 452                 | 7<br>DIFF.  | 13,211<br>1141- | 500<br>48-    |           |
| 1338648 .....       | 6 NON-AI DAUGHTERS     | 6          | 10,722    | 3.7       | 400                 |             |                 |               |           |
| STATES- 33          | 6 WITH HERD-MATES      | 6          | 10,722    | 3.7       | 400                 | 19<br>DIFF. | 11,259<br>537-  | 414<br>14-    |           |
| 1338728 .....       | 26 NON-AI DAUGHTERS    | 26         | 15,737    | 4.1       | 640                 |             |                 |               |           |
| STATES- 23,51       | 25 WITH HERD-MATES     | 25         | 15,660    | 4.1       | 638                 | 24<br>DIFF. | 15,831<br>171-  | 610<br>28     |           |
| 1338729 .....       | 5 NON-AI DAUGHTERS     | 5          | 11,400    | 4.0       | 458                 |             |                 |               |           |
| STATES- 35          | 4 WITH HERD-MATES      | 4          | 11,368    | 4.0       | 452                 | 8<br>DIFF.  | 12,838<br>1470- | 455<br>3-     |           |
| 1338874 .....       | 5 NON-AI DAUGHTERS     | 5          | 7,836     | 3.9       | 308                 |             |                 |               |           |
| STATES- 31          | 4 WITH HERD-MATES      | 4          | 7,970     | 3.8       | 304                 | 11<br>DIFF. | 10,182<br>2212- | 381<br>77-    |           |
| 1338898 .....       | 5 NON-AI DAUGHTERS     | 6          | 13,933    | 4.0       | 553                 |             |                 |               |           |
| STATES- 31          | 5 WITH HERD-MATES      | 6          | 13,933    | 4.0       | 553                 | 10<br>DIFF. | 13,843<br>90    | 500<br>53     |           |
| 1338952 .....       | 11 NON-AI DAUGHTERS    | 11         | 15,353    | 3.7       | 563                 |             |                 |               |           |
| STATES- 33          | 11 WITH HERD-MATES     | 11         | 15,353    | 3.7       | 563                 | 15<br>DIFF. | 13,453<br>1900  | 493<br>70     |           |
| 1339091 .....       | 6 NON-AI DAUGHTERS     | 8          | 13,099    | 4.0       | 527                 |             |                 |               |           |
| STATES- 23          | 6 WITH HERD-MATES      | 8          | 13,099    | 4.0       | 527                 | 19<br>DIFF. | 13,361<br>262-  | 496<br>31     |           |
| 1339207 .....       | 10 NON-AI DAUGHTERS    | 10         | 14,003    | 3.7       | 513                 |             |                 |               |           |
| STATES- 42          | 10 WITH HERD-MATES     | 10         | 14,003    | 3.7       | 513                 | 33<br>DIFF. | 12,019<br>1984  | 446<br>67     |           |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                                | AV. PRDUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|-----------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER     | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1339212 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 35                              | 6                     | NDN-AI DAUGHTERS | 6         | 11,487    | 3.6                 | 419        |           |               |           |
|   | 6                     | WITH HERD-MATES  | 6         | 11,487    | 3.6                 | 419        | 13        | 12,755        | 462       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1268-         | 43-       |
| 1339266 .....                           |                       |                  |           |           |                     |            |           |               |           |
| AI STUD, 84-01                          | 10                    | AI DAUGHTERS     | 10        | 13,640    | 3.8                 | 515        |           |               |           |
| STATES- 4                               | 10                    | WITH HERD-MATES  | 10        | 13,640    | 3.8                 | 515        | 20        | 15,034        | 538       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1394-         | 23-       |
| 1339425 .....                           |                       |                  |           |           |                     |            |           |               |           |
| AI STUD, 31-02                          | 9                     | AI DAUGHTERS     | 9         | 11,661    | 3.3                 | 388        |           |               |           |
| STATES- 23,31,32,51,56                  | 9                     | WITH HERD-MATES  | 9         | 11,661    | 3.3                 | 388        | 31        | 13,287        | 472       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1626-         | 84-       |
| 1339435 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 41                              | 5                     | NDN-AI DAUGHTERS | 5         | 14,386    | 3.6                 | 519        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 14,386    | 3.6                 | 519        | 13        | 13,243        | 467       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1143          | 52        |
| 1339530 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 35                              | 5                     | NON-AI DAUGHTERS | 5         | 14,166    | 3.9                 | 551        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 14,166    | 3.9                 | 551        | 6         | 12,528        | 507       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1638          | 44        |
| 1339580 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 21                              | 6                     | NON-AI DAUGHTERS | 6         | 12,208    | 3.6                 | 439        |           |               |           |
|   | 6                     | WITH HERD-MATES  | 6         | 12,208    | 3.6                 | 439        | 18        | 12,442        | 437       |
|   |                       |                  |           |           |                     |            | DIFF.     | 234-          | 2         |
| 1339941 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 31                              | 5                     | NON-AI DAUGHTERS | 5         | 12,284    | 3.5                 | 432        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 12,284    | 3.5                 | 432        | 11        | 12,396        | 447       |
|   |                       |                  |           |           |                     |            | DIFF.     | 112-          | 15-       |
| 1339975 CRAIGLEN ARISTOCRAT TOPSON..... |                       |                  |           |           |                     |            |           |               |           |
| 09-29-58 1124780 3308798                | 26                    | AI DAUGHTERS     | 26        | 12,438    | 3.6                 | 447        |           |               |           |
| AI STUD, 21-01 LISTED, 08-63            | 26                    | WITH HERD-MATES  | 26        | 12,438    | 3.6                 | 447        | 13        | 13,516        | 491       |
| STATES- 13,21                           |                       |                  |           |           |                     |            | DIFF.     | 1078-         | 44-       |
| 1340038 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 41                              | 7                     | NON-AI DAUGHTERS | 7         | 12,457    | 3.7                 | 457        |           |               |           |
|   | 7                     | WITH HERD-MATES  | 7         | 12,457    | 3.7                 | 457        | 6         | 12,347        | 461       |
|   |                       |                  |           |           |                     |            | DIFF.     | 110           | 4-        |
| 1340044 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 31                              | 6                     | NON-AI DAUGHTERS | 6         | 12,113    | 3.6                 | 436        |           |               |           |
|   | 6                     | WITH HERD-MATES  | 6         | 12,113    | 3.6                 | 436        | 9         | 12,614        | 447       |
|   |                       |                  |           |           |                     |            | DIFF.     | 501-          | 11-       |
| 1340053 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 21,23                           | 6                     | NDN-AI DAUGHTERS | 6         | 13,707    | 3.8                 | 519        |           |               |           |
|   | 6                     | WITH HERD-MATES  | 6         | 13,707    | 3.8                 | 519        | 31        | 12,794        | 479       |
|   |                       |                  |           |           |                     |            | DIFF.     | 913           | 40        |
| 1340499 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 37                              | 5                     | NDN-AI DAUGHTERS | 5         | 14,896    | 3.4                 | 500        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 14,896    | 3.4                 | 500        | 11        | 14,042        | 500       |
|   |                       |                  |           |           |                     |            | DIFF.     | 854           |           |
| 1340549 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 23                              | 5                     | NDN-AI DAUGHTERS | 5         | 11,010    | 3.8                 | 418        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 11,010    | 3.8                 | 418        | 12        | 12,192        | 429       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1182-         | 11-       |
| 1340607 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 45                              | 5                     | NDN-AI DAUGHTERS | 5         | 12,954    | 3.4                 | 446        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 12,954    | 3.4                 | 446        | 11        | 11,188        | 387       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1766          | 59        |
| 1340700 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 23                              | 5                     | NON-AI DAUGHTERS | 5         | 11,612    | 3.6                 | 413        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 11,612    | 3.6                 | 413        | 24        | 13,125        | 487       |
|   |                       |                  |           |           |                     |            | DIFF.     | 1513-         | 74-       |
| 1340719 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 51                              | 7                     | NON-AI DAUGHTERS | 7         | 12,726    | 3.4                 | 427        |           |               |           |
|   | 7                     | WITH HERD-MATES  | 7         | 12,726    | 3.4                 | 427        | 14        | 10,608        | 365       |
|   |                       |                  |           |           |                     |            | DIFF.     | 2118          | 62        |
| 1340814 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 41,47                           | 5                     | NON-AI DAUGHTERS | 5         | 12,990    | 4.1                 | 528        |           |               |           |
|   | 4                     | WITH HERD-MATES  | 4         | 13,445    | 4.0                 | 544        | 9         | 12,702        | 470       |
|   |                       |                  |           |           |                     |            | DIFF.     | 743           | 74        |
| 1340866 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 41                              | 12                    | NON-AI DAUGHTERS | 12        | 14,091    | 4.0                 | 562        |           |               |           |
|   | 12                    | WITH HERD-MATES  | 12        | 14,091    | 4.0                 | 562        | 11        | 13,969        | 509       |
|   |                       |                  |           |           |                     |            | DIFF.     | 122           | 53        |
| 1341008 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 33                              | 5                     | NON-AI DAUGHTERS | 5         | 13,676    | 4.0                 | 546        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 13,676    | 4.0                 | 546        | 11        | 13,259        | 524       |
|   |                       |                  |           |           |                     |            | DIFF.     | 417           | 22        |
| 1341187 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 32,61                           | 5                     | NON-AI DAUGHTERS | 5         | 12,396    | 3.7                 | 456        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 12,396    | 3.7                 | 456        | 20        | 12,806        | 474       |
|   |                       |                  |           |           |                     |            | DIFF.     | 410-          | 18-       |
| 1341418 .....                           |                       |                  |           |           |                     |            |           |               |           |
| STATES- 32                              | 5                     | NON-AI DAUGHTERS | 5         | 19,206    | 3.3                 | 634        |           |               |           |
|   | 5                     | WITH HERD-MATES  | 5         | 19,206    | 3.3                 | 634        | 7         | 14,294        | 494       |
|   |                       |                  |           |           |                     |            | DIFF.     | 4912          | 140       |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |    |                  | AV. RECD RDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU.<br>FAT<br>L8 | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK L8 | AV.<br>FAT<br>L8 | PREDICTED AV.<br>MILK L8 | FAT L8 |
|----------------|----|------------------|------------------------|--------------------------|-----------|-------------------|-----------------------|-----------------------|------------------|--------------------------|--------|
| 1341457 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 35     | 6  | NDN-AI DAUGHTERS | 6                      | 12,942                   | 3.9       | 503               |                       |                       |                  |                          |        |
|                | 6  | WITH HERD-MATES  | 6                      | 12,942                   | 3.9       | 503               | 15                    | 12,019                | 454              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 923                   | 49               |                          |        |
| 1341531 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 23     | 5  | NDN-AI DAUGHTERS | 5                      | 15,872                   | 3.9       | 612               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 5                      | 15,872                   | 3.9       | 612               | 17                    | 13,492                | 512              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 2380                  | 100              |                          |        |
| 1341849 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 21     | 5  | NDN-AI DAUGHTERS | 7                      | 12,089                   | 3.6       | 441               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 7                      | 12,089                   | 3.6       | 441               | 25                    | 12,329                | 447              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 240-                  | 6-               |                          |        |
| 1341951 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 21     | 7  | NDN-AI DAUGHTERS | 7                      | 12,799                   | 3.5       | 452               |                       |                       |                  |                          |        |
|                | 7  | WITH HERD-MATES  | 7                      | 12,799                   | 3.5       | 452               | 7                     | 13,608                | 492              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 809-                  | 40-              |                          |        |
| 1342225 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| AI STUD, 23-08 | 27 | AI DAUGHTERS     | 27                     | 12,395                   | 3.7       | 463               |                       |                       |                  |                          |        |
| STATES- 23     | 26 | WITH HERD-MATES  | 26                     | 12,551                   | 3.8       | 472               | 12                    | 13,369                | 507              | 11,662                   | 424    |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 818-                  | 35-              |                          |        |
| 1342322 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 82,87  | 5  | NDN-AI DAUGHTERS | 5                      | 14,770                   | 3.6       | 537               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 5                      | 14,770                   | 3.6       | 537               | 14                    | 14,465                | 534              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 305                   | 3                |                          |        |
| 1342389 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 21     | 7  | NDN-AI DAUGHTERS | 7                      | 15,041                   | 3.5       | 521               |                       |                       |                  |                          |        |
|                | 7  | WITH HERD-MATES  | 7                      | 15,041                   | 3.5       | 521               | 26                    | 14,319                | 542              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 722                   | 21-              |                          |        |
| 1342511 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 34     | 5  | NDN-AI DAUGHTERS | 5                      | 13,626                   | 3.7       | 499               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 5                      | 13,626                   | 3.7       | 499               | 9                     | 14,365                | 530              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 739-                  | 31-              |                          |        |
| 1342567 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 23     | 8  | NDN-AI DAUGHTERS | 8                      | 12,674                   | 3.7       | 469               |                       |                       |                  |                          |        |
|                | 7  | WITH HERD-MATES  | 7                      | 13,641                   | 3.7       | 502               | 9                     | 13,249                | 502              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 392                   |                  |                          |        |
| 1342578 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 14,21  | 12 | NDN-AI DAUGHTERS | 12                     | 12,024                   | 3.7       | 448               |                       |                       |                  |                          |        |
|                | 12 | WITH HERD-MATES  | 12                     | 12,024                   | 3.7       | 448               | 154                   | 12,599                | 462              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 575-                  | 14-              |                          |        |
| 1342601 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 23     | 10 | NDN-AI DAUGHTERS | 10                     | 13,190                   | 3.9       | 514               |                       |                       |                  |                          |        |
|                | 10 | WITH HERD-MATES  | 10                     | 13,190                   | 3.9       | 514               | 19                    | 14,637                | 514              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 1447-                 |                  |                          |        |
| 1342695 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 87     | 6  | NDN-AI DAUGHTERS | 6                      | 9,143                    | 3.5       | 322               |                       |                       |                  |                          |        |
|                | 6  | WITH HERD-MATES  | 6                      | 9,143                    | 3.5       | 322               | 11                    | 10,534                | 392              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 1391-                 | 70-              |                          |        |
| 1343213 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 11     | 5  | NDN-AI DAUGHTERS | 5                      | 12,724                   | 3.7       | 469               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 5                      | 12,724                   | 3.7       | 469               | 16                    | 13,820                | 521              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 1096-                 | 52-              |                          |        |
| 1343270 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 87     | 5  | NDN-AI DAUGHTERS | 5                      | 13,766                   | 3.8       | 522               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 5                      | 13,766                   | 3.8       | 522               | 19                    | 12,619                | 472              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 1147                  | 50               |                          |        |
| 1343463 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 23     | 5  | NDN-AI DAUGHTERS | 5                      | 11,720                   | 3.9       | 455               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 5                      | 11,720                   | 3.9       | 455               | 33                    | 14,811                | 538              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 3091-                 | 83-              |                          |        |
| 1343574 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 21     | 8  | NDN-AI DAUGHTERS | 8                      | 13,376                   | 3.5       | 469               |                       |                       |                  |                          |        |
|                | 8  | WITH HERD-MATES  | 8                      | 13,376                   | 3.5       | 469               | 12                    | 12,638                | 459              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 738                   | 10               |                          |        |
| 1343599 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 41     | 7  | NDN-AI DAUGHTERS | 7                      | 9,834                    | 3.6       | 353               |                       |                       |                  |                          |        |
|                | 7  | WITH HERD-MATES  | 7                      | 9,834                    | 3.6       | 353               | 26                    | 11,388                | 421              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 1554-                 | 68-              |                          |        |
| 1343665 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| AI STUD, 22-03 | 7  | AI DAUGHTERS     | 7                      | 14,141                   | 3.9       | 547               |                       |                       |                  |                          |        |
| STATES- 22,23  | 7  | WITH HERD-MATES  | 7                      | 14,141                   | 3.9       | 547               | 11                    | 14,437                | 557              | 12,111                   | 444    |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 296-                  | 10-              |                          |        |
|                | 6  | NDN-AI DAUGHTERS | 6                      | 13,943                   | 3.5       | 489               |                       |                       |                  |                          |        |
|                | 5  | WITH HERD-MATES  | 5                      | 14,434                   | 3.5       | 506               | 21                    | 13,793                | 504              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 641                   | 2                |                          |        |
| 1343722 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 21     | 10 | NDN-AI DAUGHTERS | 10                     | 11,748                   | 3.5       | 411               |                       |                       |                  |                          |        |
|                | 10 | WITH HERD-MATES  | 10                     | 11,748                   | 3.5       | 411               | 20                    | 12,665                | 435              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 917-                  | 24-              |                          |        |
| 1343734 .....  |    |                  |                        |                          |           |                   |                       |                       |                  |                          |        |
| STATES- 48     | 6  | NDN-AI DAUGHTERS | 6                      | 11,917                   | 3.5       | 416               |                       |                       |                  |                          |        |
|                | 6  | WITH HERD-MATES  | 6                      | 11,917                   | 3.5       | 416               | 1                     | 9,823                 | 369              |                          |        |
|                |    |                  |                        |                          |           |                   | DIFF.                 | 2094                  | 47               |                          |        |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN       |    |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|----------------|----|------------------|------------------------|---------------------|-------------------|
|                |    |                  | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|                |    |                  | NUMBER LB % LB         | NUMBER LB LB        | LB LB             |
| 1343818 .....  |    |                  |                        |                     |                   |
| STATES- 23     | 8  | NDN-AI DAUGHTERS | 8 13,925 4.0 551       |                     |                   |
|                | 8  | WITH HERD-MATES  | 8 13,925 4.0 551       | 14 15,023 543       |                   |
|                |    |                  |                        | DIFF. 1098-         | 8                 |
| 1343897 .....  |    |                  |                        |                     |                   |
| STATES- 35     | 5  | NDN-AI DAUGHTERS | 5 11,448 3.8 435       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 11,448 3.8 435       | 16 12,164 446       |                   |
|                |    |                  |                        | DIFF. 716-          | 11-               |
| 1344026 .....  |    |                  |                        |                     |                   |
| STATES- 21     | 5  | NDN-AI DAUGHTERS | 5 17,020 3.4 584       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 17,020 3.4 584       | 9 14,944 521        |                   |
|                |    |                  |                        | DIFF. 2076          | 63                |
| 1344088 .....  |    |                  |                        |                     |                   |
| STATES- 23     | 9  | NDN-AI DAUGHTERS | 9 14,229 3.8 542       |                     |                   |
|                | 9  | WITH HERD-MATES  | 9 14,229 3.8 542       | 26 16,182 624       |                   |
|                |    |                  |                        | DIFF. 1953-         | 82-               |
| 1344183 .....  |    |                  |                        |                     |                   |
| STATES- 35     | 5  | NDN-AI DAUGHTERS | 5 14,198 3.5 500       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 14,198 3.5 500       | 14 13,063 469       |                   |
|                |    |                  |                        | DIFF. 1135          | 31                |
| 1344318 .....  |    |                  |                        |                     |                   |
| STATES- 22     | 6  | NDN-AI DAUGHTERS | 6 12,465 3.8 477       |                     |                   |
|                | 6  | WITH HERD-MATES  | 6 12,465 3.8 477       | 29 13,628 539       |                   |
|                |    |                  |                        | DIFF. 1163-         | 62-               |
| 1344338 .....  |    |                  |                        |                     |                   |
| STATES- 41     | 12 | NDN-AI DAUGHTERS | 12 12,316 3.6 445      |                     |                   |
|                | 11 | WITH HERD-MATES  | 11 12,556 3.6 452      | 11 12,879 483       |                   |
|                |    |                  |                        | DIFF. 323-          | 31-               |
| 1344339 .....  |    |                  |                        |                     |                   |
| STATES- 91     | 9  | NDN-AI DAUGHTERS | 9 16,089 4.0 649       |                     |                   |
|                | 9  | WITH HERD-MATES  | 9 16,089 4.0 649       | 21 15,781 635       |                   |
|                |    |                  |                        | DIFF. 308           | 14                |
| 1344404 .....  |    |                  |                        |                     |                   |
| STATES- 23     | 5  | NDN-AI DAUGHTERS | 5 13,866 3.5 491       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 13,866 3.5 491       | 19 13,984 522       |                   |
|                |    |                  |                        | DIFF. 118-          | 31-               |
| 1344464 .....  |    |                  |                        |                     |                   |
| STATES- 42     | 6  | NDN-AI DAUGHTERS | 6 9,490 3.5 331        |                     |                   |
|                | 3  | WITH HERD-MATES  | 3 10,647 3.4 362       | 10 9,466 335        |                   |
|                |    |                  |                        | DIFF. 1181          | 27                |
| 1344780 .....  |    |                  |                        |                     |                   |
| STATES- 23     | 5  | NDN-AI DAUGHTERS | 5 11,748 3.7 440       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 11,748 3.7 440       | 14 11,906 426       |                   |
|                |    |                  |                        | DIFF. 158-          | 14                |
| 1344823 .....  |    |                  |                        |                     |                   |
| AI STUO, 21-01 | 13 | AI DAUGHTERS     | 13 12,338 3.6 445      |                     |                   |
| STATES- 21,23  | 13 | WITH HERD-MATES  | 13 12,338 3.6 445      | 32 13,540 490       | 11,583 423        |
|                |    |                  |                        | DIFF. 1202-         | 45-               |
|                | 1  | NDN-AI DAUGHTERS | 1 15,910 3.6 568       |                     |                   |
|                | 1  | WITH HERD-MATES  | 1 15,910 3.6 568       | 17 14,278 502       |                   |
|                |    |                  |                        | DIFF. 1632          | 66                |
| 1345015 .....  |    |                  |                        |                     |                   |
| STATES- 92     | 5  | NDN-AI DAUGHTERS | 5 14,586 3.8 557       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 14,586 3.8 557       | 10 14,585 546       |                   |
|                |    |                  |                        | DIFF. 1             | 11                |
| 1345217 .....  |    |                  |                        |                     |                   |
| STATES- 51     | 9  | NDN-AI DAUGHTERS | 9 11,504 3.8 442       |                     |                   |
|                | 9  | WITH HERD-MATES  | 9 11,504 3.8 442       | 24 12,199 473       |                   |
|                |    |                  |                        | DIFF. 695-          | 31-               |
| 1345331 .....  |    |                  |                        |                     |                   |
| STATES- 21     | 5  | NDN-AI DAUGHTERS | 5 11,710 3.7 435       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 11,710 3.7 435       | 41 11,511 439       |                   |
|                |    |                  |                        | DIFF. 199           | 4-                |
| 1345360 .....  |    |                  |                        |                     |                   |
| STATES- 57     | 5  | NDN-AI DAUGHTERS | 5 12,434 3.8 471       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 12,434 3.8 471       | 19 13,308 488       |                   |
|                |    |                  |                        | DIFF. 874-          | 17-               |
| 1345447 .....  |    |                  |                        |                     |                   |
| STATES- 42     | 5  | NDN-AI DAUGHTERS | 5 13,692 3.6 488       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 13,692 3.6 488       | 11 13,700 504       |                   |
|                |    |                  |                        | DIFF. 8-            | 16-               |
| 1345634 .....  |    |                  |                        |                     |                   |
| STATES- 21     | 5  | NDN-AI DAUGHTERS | 5 10,652 3.6 385       |                     |                   |
|                | 5  | WITH HERD-MATES  | 5 10,652 3.6 385       | 10 13,165 474       |                   |
|                |    |                  |                        | DIFF. 2513-         | 89-               |
| 1345965 .....  |    |                  |                        |                     |                   |
| STATES- 21     | 6  | NDN-AI DAUGHTERS | 8 9,728 3.8 365        |                     |                   |
|                | 6  | WITH HERD-MATES  | 8 9,728 3.8 365        | 16 10,667 372       |                   |
|                |    |                  |                        | DIFF. 939-          | 7-                |
| 1346471 .....  |    |                  |                        |                     |                   |
| STATES- 47     | 5  | NDN-AI DAUGHTERS | 6 12,455 4.0 502       |                     |                   |
|                | 5  | WITH HERD-MATES  | 6 12,455 4.0 502       | 23 10,212 388       |                   |
|                |    |                  |                        | DIFF. 2243          | 114               |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN       |       |                     | AV. RECORDS | PRODUCTION OF MILK | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|----------------|-------|---------------------|-------------|--------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1346801        | ..... | 6 NDN-AI DAUGHTERS  | 6           | 12,388             | 3.5    | 430         |                 |                    |            |                   |            |
| STATES- 52     | 6     | WITH HERD-MATES     | 6           | 12,388             | 3.5    | 430         | 21 DIFF.        | 13,539 1151-       | 472 42-    |                   |            |
| 1346859        | ..... | 5 AI DAUGHTERS      | 5           | 11,036             | 3.6    | 401         |                 |                    |            |                   |            |
| AI STUO, 21-01 | 5     | WITH HERD-MATES     | 5           | 11,036             | 3.6    | 401         | 19 DIFF.        | 13,808 2772-       | 513 112-   | 11,380            | 414        |
| STATES- 21     |       |                     |             |                    |        |             |                 |                    |            |                   |            |
| 1346961        | ..... | 5 NDN-AI DAUGHTERS  | 5           | 10,198             | 3.3    | 335         |                 |                    |            |                   |            |
| STATES- 34     | 5     | WITH HERD-MATES     | 5           | 10,198             | 3.3    | 335         | 10 DIFF.        | 10,922 724-        | 400 65-    |                   |            |
| 1347137        | ..... | 7 NDN-AI DAUGHTERS  | 7           | 12,877             | 3.8    | 493         |                 |                    |            |                   |            |
| STATES- 14     | 7     | WITH HERD-MATES     | 7           | 12,877             | 3.8    | 493         | 56 DIFF.        | 13,759 882-        | 544 51-    |                   |            |
| 1347334        | ..... | 5 NDN-AI DAUGHTERS  | 6           | 9,802              | 3.9    | 381         |                 |                    |            |                   |            |
| STATES- 23     | 4     | WITH HERD-MATES     | 4           | 10,195             | 3.8    | 389         | 21 DIFF.        | 13,292 3097-       | 493 104-   |                   |            |
| 1347467        | ..... | 5 NDN-AI DAUGHTERS  | 6           | 11,582             | 3.7    | 425         |                 |                    |            |                   |            |
| STATES- 23     | 5     | WITH HERD-MATES     | 6           | 11,582             | 3.7    | 425         | 17 DIFF.        | 11,032 550         | 422 3      |                   |            |
| 1347623        | ..... | 3 AI DAUGHTERS      | 3           | 9,980              | 3.7    | 371         |                 |                    |            |                   |            |
| AI STUD, 61-01 | 3     | WITH HERD-MATES     | 3           | 9,980              | 3.7    | 371         | 19 DIFF.        | 12,103 2123-       | 444 73-    | 11,710            | 429        |
| STATES- 61     |       |                     |             |                    |        |             |                 |                    |            |                   |            |
|                | 3     | NDN-AI DAUGHTERS    | 3           | 13,333             | 3.4    | 458         |                 |                    |            |                   |            |
|                | 3     | WITH HERD-MATES     | 3           | 13,333             | 3.4    | 458         | 14 DIFF.        | 11,979 1354        | 429 29     |                   |            |
| 1347918        | ..... | 6 AI DAUGHTERS      | 6           | 12,190             | 3.8    | 458         |                 |                    |            |                   |            |
| AI STUD, 22-03 | 6     | WITH HERD-MATES     | 6           | 12,190             | 3.8    | 458         | 22 DIFF.        | 12,747 557-        | 468 10-    | 11,971            | 441        |
| STATES- 22     |       |                     |             |                    |        |             |                 |                    |            |                   |            |
| 1347940        | ..... | 7 AI DAUGHTERS      | 7           | 13,136             | 3.7    | 482         |                 |                    |            |                   |            |
| AI STUD, 23-02 | 7     | WITH HERD-MATES     | 7           | 13,136             | 3.7    | 482         | 5 DIFF.         | 13,275 139-        | 512 30-    | 12,126            | 436        |
| STATES- 23     |       |                     |             |                    |        |             |                 |                    |            |                   |            |
| 1347969        | ..... | 5 NDN-AI DAUGHTERS  | 5           | 12,894             | 3.2    | 418         |                 |                    |            |                   |            |
| STATES- 41     | 5     | WITH HERD-MATES     | 5           | 12,894             | 3.2    | 418         | 20 DIFF.        | 14,135 1241-       | 504 86-    |                   |            |
| 1348034        | ..... | 5 NDN-AI DAUGHTERS  | 6           | 14,144             | 3.4    | 476         |                 |                    |            |                   |            |
| STATES- 21     | 5     | WITH HERD-MATES     | 6           | 14,144             | 3.4    | 476         | 28 DIFF.        | 12,846 1298        | 438 38     |                   |            |
| 1348120        | ..... | 5 NDN-AI DAUGHTERS  | 6           | 15,220             | 3.2    | 489         |                 |                    |            |                   |            |
| STATES- 35     | 5     | WITH HERD-MATES     | 6           | 15,220             | 3.2    | 489         | 29 DIFF.        | 14,641 579         | 492 3-     |                   |            |
| 1348166        | ..... | 11 NDN-AI DAUGHTERS | 13          | 9,774              | 3.2    | 308         |                 |                    |            |                   |            |
| STATES- 71     | 11    | WITH HERD-MATES     | 13          | 9,774              | 3.2    | 308         | 56 DIFF.        | 9,658 116          | 311 3-     |                   |            |
| 1348249        | ..... | 6 NDN-AI DAUGHTERS  | 6           | 15,488             | 3.8    | 589         |                 |                    |            |                   |            |
| STATES- 11,16  | 6     | WITH HERD-MATES     | 6           | 15,488             | 3.8    | 589         | 26 DIFF.        | 14,747 741         | 577 12     |                   |            |
| 1348479        | ..... | 5 NDN-AI DAUGHTERS  | 5           | 9,364              | 3.6    | 340         |                 |                    |            |                   |            |
| STATES- 57     | 5     | WITH HERD-MATES     | 5           | 9,364              | 3.6    | 340         | 35 DIFF.        | 11,928 2564-       | 421 81-    |                   |            |
| 1348779        | ..... | 5 NDN-AI DAUGHTERS  | 5           | 15,450             | 3.7    | 573         |                 |                    |            |                   |            |
| STATES- 23     | 5     | WITH HERD-MATES     | 5           | 15,450             | 3.7    | 573         | 58 DIFF.        | 14,651 799         | 598 25-    |                   |            |
| 1349179        | ..... | 6 NDN-AI DAUGHTERS  | 8           | 12,475             | 3.4    | 424         |                 |                    |            |                   |            |
| STATES- 35     | 6     | WITH HERD-MATES     | 8           | 12,475             | 3.4    | 424         | 9 DIFF.         | 12,174 301         | 403 21     |                   |            |
| 1349243        | ..... | 6 NDN-AI DAUGHTERS  | 6           | 14,940             | 3.6    | 540         |                 |                    |            |                   |            |
| STATES- 82     | 6     | WITH HERD-MATES     | 6           | 14,940             | 3.6    | 540         | 12 DIFF.        | 15,935 995-        | 578 38-    |                   |            |
| 1349427        | ..... | 15 NDN-AI DAUGHTERS | 15          | 9,425              | 3.9    | 372         |                 |                    |            |                   |            |
| STATES- 52     | 15    | WITH HERD-MATES     | 15          | 9,425              | 3.9    | 372         | 39 DIFF.        | 9,614 189-         | 374 2-     |                   |            |
| 1349539        | ..... | 5 NDN-AI DAUGHTERS  | 5           | 10,378             | 3.5    | 366         |                 |                    |            |                   |            |
| STATES- 45     | 5     | WITH HERD-MATES     | 5           | 10,378             | 3.5    | 366         | 11 DIFF.        | 10,797 419-        | 371 5-     |                   |            |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN         | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|------------------|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                  | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1349652 .....    | 5                      | NDN-AI DAUGHTERS | 5         | 13,894    | 3.8                 | 527        |           |               |           |
| STATES- 23       | 5                      | WITH HERD-MATES  | 5         | 13,894    | 3.8                 | 527        | 19        | 14,080        | 530       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 186-          | 3-        |
| 1350190 .....    | 1                      | AI DAUGHTERS     | 1         | 14,030    | 3.6                 | 507        |           |               |           |
| AI STUD, 33-03   | 1                      | WITH HERD-MATES  | 1         | 14,030    | 3.6                 | 507        | 16        | 16,560        | 600       |
| STATES- 21,23,35 |                        |                  |           |           |                     |            | DIFF.     | 2530-         | 93-       |
|                  | 5                      | NDN-AI DAUGHTERS | 5         | 13,570    | 3.7                 | 508        |           |               |           |
|                  | 5                      | WITH HERD-MATES  | 5         | 13,570    | 3.7                 | 508        | 20        | 13,643        | 515       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 73-           | 7-        |
| 1350307 .....    | 5                      | NDN-AI DAUGHTERS | 7         | 14,627    | 3.9                 | 573        |           |               |           |
| STATES- 31       | 5                      | WITH HERD-MATES  | 7         | 14,627    | 3.9                 | 573        | 20        | 13,946        | 537       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 681           | 36        |
| 1350476 .....    | 5                      | NDN-AI DAUGHTERS | 5         | 13,088    | 3.6                 | 468        |           |               |           |
| STATES- 42       | 5                      | WITH HERD-MATES  | 5         | 13,088    | 3.6                 | 468        | 20        | 12,841        | 459       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 247           | 9         |
| 1350801 .....    | 12                     | NDN-AI DAUGHTERS | 12        | 12,476    | 3.5                 | 432        |           |               |           |
| STATES- 41       | 12                     | WITH HERD-MATES  | 12        | 12,476    | 3.5                 | 432        | 12        | 12,261        | 440       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 215           | 8-        |
| 1351107 .....    | 7                      | NDN-AI DAUGHTERS | 7         | 15,790    | 3.5                 | 552        |           |               |           |
| STATES- 15,16    | 7                      | WITH HERD-MATES  | 7         | 15,790    | 3.5                 | 552        | 10        | 13,357        | 489       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 2433          | 63        |
| 1351278 .....    | 8                      | NDN-AI DAUGHTERS | 8         | 12,118    | 3.9                 | 467        |           |               |           |
| STATES- 16       | 8                      | WITH HERD-MATES  | 8         | 12,118    | 3.9                 | 467        | 42        | 14,373        | 567       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 2255-         | 100-      |
| 1351286 .....    | 5                      | NDN-AI DAUGHTERS | 6         | 10,120    | 3.9                 | 398        |           |               |           |
| STATES- 48       | 5                      | WITH HERD-MATES  | 6         | 10,120    | 3.9                 | 398        | 9         | 11,445        | 442       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1325-         | 44-       |
| 1351310 .....    | 9                      | NDN-AI DAUGHTERS | 9         | 12,819    | 3.6                 | 464        |           |               |           |
| STATES- 23       | 9                      | WITH HERD-MATES  | 9         | 12,819    | 3.6                 | 464        | 19        | 14,134        | 535       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1315-         | 71-       |
| 1351701 .....    | 13                     | NDN-AI DAUGHTERS | 15        | 15,251    | 3.4                 | 522        |           |               |           |
| STATES- 21       | 13                     | WITH HERD-MATES  | 15        | 15,251    | 3.4                 | 522        | 9         | 13,777        | 493       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1474          | 29        |
| 1351703 .....    | 8                      | NDN-AI DAUGHTERS | 9         | 14,333    | 3.7                 | 529        |           |               |           |
| STATES- 12       | 8                      | WITH HERD-MATES  | 9         | 14,333    | 3.7                 | 529        | 24        | 13,651        | 512       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 682           | 17        |
| 1352253 .....    | 5                      | NDN-AI DAUGHTERS | 5         | 12,834    | 4.0                 | 519        |           |               |           |
| STATES- 21       | 5                      | WITH HERD-MATES  | 5         | 12,834    | 4.0                 | 519        | 26        | 14,600        | 548       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1766-         | 29-       |
| 1352548 .....    | 7                      | NDN-AI DAUGHTERS | 7         | 11,944    | 3.5                 | 418        |           |               |           |
| STATES- 21       | 7                      | WITH HERD-MATES  | 7         | 11,944    | 3.5                 | 418        | 31        | 11,679        | 414       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 265           | 4         |
| 1352552 .....    | 5                      | NDN-AI DAUGHTERS | 7         | 14,429    | 3.4                 | 484        |           |               |           |
| STATES- 42       | 5                      | WITH HERD-MATES  | 7         | 14,429    | 3.4                 | 484        | 7         | 12,790        | 455       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1639          | 29        |
| 1352649 .....    | 8                      | NDN-AI DAUGHTERS | 8         | 10,448    | 3.6                 | 373        |           |               |           |
| STATES- 42       | 8                      | WITH HERD-MATES  | 8         | 10,448    | 3.6                 | 373        | 5         | 11,549        | 404       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1101-         | 31-       |
| 1353123 .....    | 9                      | AI DAUGHTERS     | 9         | 12,868    | 3.7                 | 479        |           |               |           |
| AI STUD, 21-01   | 8                      | WITH HERD-MATES  | 8         | 13,213    | 3.7                 | 495        | 19        | 13,364        | 488       |
| STATES- 21       |                        |                  |           |           |                     |            | DIFF.     | 151-          | 7         |
|                  | 2                      | NDN-AI DAUGHTERS | 4         | 11,750    | 3.4                 | 398        |           |               |           |
|                  | 2                      | WITH HERD-MATES  | 4         | 11,750    | 3.4                 | 398        | 46        | 11,138        | 394       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 612           | 4         |
| 1353167 .....    | 7                      | NDN-AI DAUGHTERS | 9         | 9,997     | 3.5                 | 348        |           |               |           |
| STATES- 55       | 7                      | WITH HERD-MATES  | 9         | 9,997     | 3.5                 | 348        | 58        | 11,172        | 389       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1175-         | 41-       |
| 1353200 .....    | 5                      | NDN-AI DAUGHTERS | 6         | 14,900    | 3.5                 | 515        |           |               |           |
| STATES- 21,51    | 5                      | WITH HERD-MATES  | 6         | 14,900    | 3.5                 | 515        | 20        | 13,792        | 534       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1108          | 19-       |
| 1353445 .....    | 14                     | NDN-AI DAUGHTERS | 14        | 14,989    | 3.5                 | 526        |           |               |           |
| STATES- 91       | 14                     | WITH HERD-MATES  | 14        | 14,989    | 3.5                 | 526        | 9         | 13,518        | 497       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1471          | 29        |
| 1353799 .....    | 7                      | NDN-AI DAUGHTERS | 7         | 14,883    | 3.7                 | 558        |           |               |           |
| STATES- 87       | 7                      | WITH HERD-MATES  | 7         | 14,883    | 3.7                 | 558        | 36        | 12,884        | 463       |
|                  |                        |                  |           |           |                     |            | DIFF.     | 1999          | 95        |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN      | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |             | PREDICTED AV.   |            |
|---------------|------------------------|------------------|-----------|-----------|---------------------|------------|-------------|-----------------|------------|
|               | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB   | MILK<br>LB      | FAT<br>LB  |
| 1354332 ..... | 6                      | NON-AI DAUGHTERS | 6         | 13,050    | 3.9                 | 504        |             |                 |            |
| STATES- 23    | 6                      | WITH HERD-MATES  | 6         | 13,050    | 3.9                 | 504        | 14<br>DIFF. | 13,077<br>27-   | 543<br>39- |
| 1354463 ..... | 8                      | NDN-AI DAUGHTERS | 9         | 14,440    | 3.6                 | 522        |             |                 |            |
| STATES- 21    | 8                      | WITH HERD-MATES  | 9         | 14,440    | 3.6                 | 522        | 11<br>DIFF. | 14,542<br>102-  | 516<br>6   |
| 1354572 ..... | 7                      | NDN-AI DAUGHTERS | 7         | 15,354    | 3.6                 | 546        |             |                 |            |
| STATES- 21    | 7                      | WITH HERD-MATES  | 7         | 15,354    | 3.6                 | 546        | 19<br>DIFF. | 15,792<br>438-  | 560<br>14- |
| 1355285 ..... | 5                      | NDN-AI DAUGHTERS | 5         | 11,746    | 3.9                 | 461        |             |                 |            |
| STATES- 51    | 5                      | WITH HERD-MATES  | 5         | 11,746    | 3.9                 | 461        | 17<br>DIFF. | 12,831<br>1085- | 502<br>41- |
| 1355395 ..... | 6                      | NDN-AI DAUGHTERS | 6         | 12,717    | 4.1                 | 525        |             |                 |            |
| STATES- 14    | 6                      | WITH HERD-MATES  | 6         | 12,717    | 4.1                 | 525        | 20<br>DIFF. | 12,658<br>59    | 495<br>30  |
| 1356968 ..... | 5                      | NDN-AI DAUGHTERS | 5         | 14,244    | 3.8                 | 536        |             |                 |            |
| STATES- 22    | 5                      | WITH HERD-MATES  | 5         | 14,244    | 3.8                 | 536        | 5<br>DIFF.  | 14,008<br>236   | 528<br>8   |
| 1357203 ..... | 5                      | NDN-AI DAUGHTERS | 6         | 12,669    | 3.3                 | 414        |             |                 |            |
| STATES- 31    | 5                      | WITH HERD-MATES  | 6         | 12,669    | 3.3                 | 414        | 14<br>DIFF. | 12,331<br>338   | 418<br>4-  |
| 1357348 ..... | 6                      | NDN-AI DAUGHTERS | 6         | 12,193    | 3.6                 | 435        |             |                 |            |
| STATES- 21    | 6                      | WITH HERD-MATES  | 6         | 12,193    | 3.6                 | 435        | 9<br>DIFF.  | 13,295<br>1102- | 481<br>46- |
| 1357591 ..... | 10                     | NDN-AI DAUGHTERS | 10        | 15,755    | 3.5                 | 552        |             |                 |            |
| STATES- 41    | 10                     | WITH HERD-MATES  | 10        | 15,755    | 3.5                 | 552        | 11<br>DIFF. | 12,887<br>2868  | 470<br>82  |
| 1358094 ..... | 6                      | NDN-AI DAUGHTERS | 6         | 12,422    | 3.5                 | 429        |             |                 |            |
| STATES- 48    | 6                      | WITH HERD-MATES  | 6         | 12,422    | 3.5                 | 429        | 7<br>DIFF.  | 12,412<br>10    | 442<br>13- |
| 1358416 ..... | 7                      | NDN-AI DAUGHTERS | 7         | 14,773    | 3.6                 | 536        |             |                 |            |
| STATES- 74    | 7                      | WITH HERD-MATES  | 7         | 14,773    | 3.6                 | 536        | 37<br>DIFF. | 15,887<br>1114- | 576<br>40- |
| 1358720 ..... | 6                      | NDN-AI DAUGHTERS | 6         | 11,722    | 3.8                 | 441        |             |                 |            |
| STATES- 21    | 6                      | WITH HERD-MATES  | 6         | 11,722    | 3.8                 | 441        | 23<br>DIFF. | 12,672<br>950-  | 449<br>8-  |
| 1358771 ..... | 10                     | NDN-AI DAUGHTERS | 10        | 11,297    | 3.8                 | 430        |             |                 |            |
| STATES- 48    | 10                     | WITH HERD-MATES  | 10        | 11,297    | 3.8                 | 430        | 14<br>DIFF. | 12,096<br>799-  | 457<br>27- |
| 1358826 ..... | 11                     | NDN-AI DAUGHTERS | 11        | 15,968    | 3.5                 | 556        |             |                 |            |
| STATES- 93    | 11                     | WITH HERD-MATES  | 11        | 15,968    | 3.5                 | 556        | 63<br>DIFF. | 16,887<br>919-  | 617<br>61- |
| 1358906 ..... | 15                     | NDN-AI DAUGHTERS | 15        | 13,034    | 3.3                 | 435        |             |                 |            |
| STATES- 55    | 15                     | WITH HERD-MATES  | 15        | 13,034    | 3.3                 | 435        | 12<br>DIFF. | 12,574<br>460   | 434<br>1   |
| 1359038 ..... | 6                      | NDN-AI DAUGHTERS | 6         | 16,760    | 3.8                 | 632        |             |                 |            |
| STATES- 13    | 6                      | WITH HERD-MATES  | 6         | 16,760    | 3.8                 | 632        | 22<br>DIFF. | 14,010<br>2750  | 537<br>95  |
| 1359643 ..... | 5                      | NDN-AI DAUGHTERS | 5         | 9,836     | 3.9                 | 387        |             |                 |            |
| STATES- 63    | 5                      | WITH HERD-MATES  | 5         | 9,836     | 3.9                 | 387        | 24<br>DIFF. | 12,398<br>2562- | 452<br>65- |
| 1360518 ..... | 6                      | NDN-AI DAUGHTERS | 6         | 13,795    | 3.5                 | 479        |             |                 |            |
| STATES- 21    | 6                      | WITH HERD-MATES  | 6         | 13,795    | 3.5                 | 479        | 28<br>DIFF. | 12,466<br>1329  | 427<br>52  |
| 1361045 ..... | 6                      | NDN-AI DAUGHTERS | 10        | 13,498    | 3.5                 | 476        |             |                 |            |
| STATES- 23    | 6                      | WITH HERD-MATES  | 10        | 13,498    | 3.5                 | 476        | 30<br>DIFF. | 12,581<br>917   | 458<br>18  |
| 1361121 ..... | 9                      | NDN-AI DAUGHTERS | 9         | 10,802    | 4.1                 | 443        |             |                 |            |
| STATES- 14    | 9                      | WITH HERD-MATES  | 9         | 10,802    | 4.1                 | 443        | 19<br>DIFF. | 12,222<br>1420- | 479<br>36- |
| 1361504 ..... | 9                      | NDN-AI DAUGHTERS | 11        | 11,989    | 4.1                 | 489        |             |                 |            |
| STATES- 23    | 9                      | WITH HERD-MATES  | 11        | 11,989    | 4.1                 | 489        | 11<br>DIFF. | 13,348<br>1359- | 510<br>21- |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|----------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 1362747 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 41     | 11 | NON-AI DAUGHTERS | 11          | 11,925                | 3.9    | 466         |                 |                    |            |                       |        |
|                | 11 | WITH HERD-MATES  | 11          | 11,925                | 3.9    | 466         | 15              | 11,360             | 427        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 565                | 39         |                       |        |
| 1362844 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21     | 5  | NON-AI DAUGHTERS | 5           | 13,230                | 3.7    | 496         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 13,230                | 3.7    | 496         | 40              | 14,157             | 523        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 927-               | 27-        |                       |        |
| 1362940 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21     | 6  | NON-AI DAUGHTERS | 9           | 13,267                | 3.7    | 496         |                 |                    |            |                       |        |
|                | 6  | WITH HERD-MATES  | 9           | 13,267                | 3.7    | 496         | 16              | 12,695             | 484        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 572                | 12         |                       |        |
| 1363167 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21     | 6  | NON-AI DAUGHTERS | 6           | 12,705                | 3.5    | 451         |                 |                    |            |                       |        |
|                | 6  | WITH HERD-MATES  | 6           | 12,705                | 3.5    | 451         | 32              | 13,280             | 458        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 575-               | 7-         |                       |        |
| 1363187 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 63     | 6  | NON-AI DAUGHTERS | 7           | 15,006                | 3.4    | 512         |                 |                    |            |                       |        |
|                | 6  | WITH HERD-MATES  | 7           | 15,006                | 3.4    | 512         | 25              | 15,249             | 513        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 243-               | 1-         |                       |        |
| 1363694 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21     | 5  | NON-AI DAUGHTERS | 5           | 12,846                | 3.3    | 424         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 12,846                | 3.3    | 424         | 14              | 14,819             | 516        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 1973-              | 92-        |                       |        |
| 1364653 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| AI STUD, 21-01 | 5  | AI DAUGHTERS     | 5           | 10,338                | 3.4    | 352         |                 |                    |            |                       |        |
| STATES- 21     | 5  | WITH HERD-MATES  | 5           | 10,338                | 3.4    | 352         | 13              | 12,675             | 463        | 11,473                | 412    |
|                |    |                  |             |                       |        |             | DIFF.           | 2337-              | 111-       |                       |        |
|                | 2  | NON-AI DAUGHTERS | 2           | 16,280                | 3.6    | 589         |                 |                    |            |                       |        |
|                | 2  | WITH HERD-MATES  | 2           | 16,280                | 3.6    | 589         | 20              | 14,887             | 574        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 1393               | 15         |                       |        |
| 1365050 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 81     | 5  | NON-AI DAUGHTERS | 6           | 13,471                | 3.7    | 494         |                 |                    |            |                       |        |
|                | 3  | WITH HERD-MATES  | 3           | 13,537                | 3.8    | 519         | 6               | 11,022             | 415        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 2515               | 104        |                       |        |
| 1365361 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 74     | 6  | NON-AI DAUGHTERS | 6           | 12,202                | 4.0    | 493         |                 |                    |            |                       |        |
|                | 6  | WITH HERD-MATES  | 6           | 12,202                | 4.0    | 493         | 9               | 12,955             | 470        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 753-               | 23         |                       |        |
| 1365420 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23     | 7  | NON-AI DAUGHTERS | 7           | 15,310                | 3.7    | 565         |                 |                    |            |                       |        |
|                | 7  | WITH HERD-MATES  | 7           | 15,310                | 3.7    | 565         | 19              | 14,675             | 547        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 635                | 18         |                       |        |
| 1367825 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23     | 7  | NON-AI DAUGHTERS | 7           | 11,347                | 3.7    | 420         |                 |                    |            |                       |        |
|                | 7  | WITH HERD-MATES  | 7           | 11,347                | 3.7    | 420         | 17              | 14,190             | 529        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 2843-              | 109-       |                       |        |
| 1368056 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23     | 8  | NON-AI DAUGHTERS | 8           | 15,838                | 3.5    | 547         |                 |                    |            |                       |        |
|                | 8  | WITH HERD-MATES  | 8           | 15,838                | 3.5    | 547         | 47              | 17,985             | 647        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 2147-              | 100-       |                       |        |
| 1368569 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 48     | 7  | NON-AI DAUGHTERS | 7           | 8,749                 | 4.1    | 359         |                 |                    |            |                       |        |
|                | 7  | WITH HERD-MATES  | 7           | 8,749                 | 4.1    | 359         | 7               | 8,811              | 317        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 62-                | 42         |                       |        |
| 1368588 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23     | 5  | NON-AI DAUGHTERS | 5           | 9,998                 | 4.0    | 398         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 9,998                 | 4.0    | 398         | 12              | 12,974             | 516        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 2976-              | 118-       |                       |        |
| 1371428 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 43,48  | 5  | NON-AI DAUGHTERS | 5           | 12,716                | 3.7    | 475         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 12,716                | 3.7    | 475         | 27              | 11,607             | 421        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 1109               | 54         |                       |        |
| 1372157 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 41     | 5  | NON-AI DAUGHTERS | 5           | 11,248                | 4.2    | 473         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 11,248                | 4.2    | 473         | 10              | 12,601             | 478        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 1353-              | 5-         |                       |        |
| 1372460 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 33     | 5  | NON-AI DAUGHTERS | 5           | 10,864                | 3.8    | 412         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 10,864                | 3.8    | 412         | 13              | 12,371             | 478        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 1507-              | 66-        |                       |        |
| 1376130 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 35     | 5  | NON-AI DAUGHTERS | 5           | 10,862                | 3.5    | 376         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 10,862                | 3.5    | 376         | 20              | 13,374             | 479        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 2512-              | 103-       |                       |        |
| 1384248 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 41     | 5  | NON-AI DAUGHTERS | 5           | 12,152                | 3.6    | 436         |                 |                    |            |                       |        |
|                | 5  | WITH HERD-MATES  | 5           | 12,152                | 3.6    | 436         | 10              | 11,403             | 400        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 749                | 36         |                       |        |
| 1400062 .....  |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 34     | 6  | NON-AI DAUGHTERS | 6           | 7,070                 | 3.9    | 273         |                 |                    |            |                       |        |
|                | 2  | WITH HERD-MATES  | 2           | 5,860                 | 4.4    | 259         | 15              | 9,391              | 349        |                       |        |
|                |    |                  |             |                       |        |             | DIFF.           | 3531-              | 90-        |                       |        |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN               |                    |    | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK LB | TEST<br>% | DAU.<br>FAT LB | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK LB | FAT LB |
|------------------------|--------------------|----|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1400161 .....          | 5 NON-AI DAUGHTERS | 5  | 8,718                 | 3.8                      | 331       |                |                    |                       |               |                          |        |
| STATES- 23             | 5 WITH HERD-MATES  | 5  | 8,718                 | 3.8                      | 331       |                | 12<br>DIFF.        | 13,306<br>4588-       | 505           |                          | 174-   |
| 010212938 .....        | 5 NON-AI DAUGHTERS | 9  | 12,654                | 4.3                      | 539       |                |                    |                       |               |                          |        |
| STATES- 22,23,52       | 5 WITH HERD-MATES  | 9  | 12,654                | 4.3                      | 539       |                | 10<br>DIFF.        | 12,323<br>331         | 460           |                          | 79     |
| 010221047 .....        | 5 NON-AI DAUGHTERS | 6  | 10,129                | 3.5                      | 358       |                |                    |                       |               |                          |        |
| STATES- 14,21,34,55    | 4 WITH HERD-MATES  | 5  | 9,799                 | 3.6                      | 357       |                | 10<br>DIFF.        | 10,623<br>824-        | 375           |                          | 18-    |
| 010222287 .....        | 6 NON-AI DAUGHTERS | 7  | 11,653                | 3.8                      | 439       |                |                    |                       |               |                          |        |
| STATES- 14,31,34,58,61 | 6 WITH HERD-MATES  | 7  | 11,653                | 3.8                      | 439       |                | 18<br>DIFF.        | 12,730<br>1077-       | 468           |                          | 29-    |
| 010223244 .....        | 5 NON-AI DAUGHTERS | 8  | 14,663                | 3.5                      | 516       |                |                    |                       |               |                          |        |
| STATES- 23,91          | 5 WITH HERD-MATES  | 8  | 14,663                | 3.5                      | 516       |                | 19<br>DIFF.        | 14,369<br>294         | 544           |                          | 28-    |
| 010224517 .....        | 5 NON-AI DAUGHTERS | 12 | 14,492                | 3.3                      | 480       |                |                    |                       |               |                          |        |
| STATES- 21,91          | 3 WITH HERD-MATES  | 10 | 15,846                | 3.4                      | 532       |                | 8<br>DIFF.         | 14,248<br>1598        | 506           |                          | 26     |
| 010225075 .....        | 5 NON-AI DAUGHTERS | 9  | 12,488                | 3.3                      | 414       |                |                    |                       |               |                          |        |
| STATES- 23,31,52       | 5 WITH HERD-MATES  | 9  | 12,488                | 3.3                      | 414       |                | 10<br>DIFF.        | 10,411<br>2077        | 378           |                          | 36     |
| 010228096 .....        | 6 NON-AI DAUGHTERS | 8  | 12,205                | 3.4                      | 419       |                |                    |                       |               |                          |        |
| STATES- 14,31,34       | 6 WITH HERD-MATES  | 8  | 12,205                | 3.4                      | 419       |                | 14<br>DIFF.        | 11,378<br>827         | 408           |                          | 11     |
| 010229303 .....        | 5 NON-AI DAUGHTERS | 7  | 13,074                | 3.5                      | 464       |                |                    |                       |               |                          |        |
| STATES- 21,23          | 5 WITH HERD-MATES  | 7  | 13,074                | 3.5                      | 464       |                | 40<br>DIFF.        | 13,142<br>68-         | 482           |                          | 18-    |
| 010230488 .....        | 6 NON-AI DAUGHTERS | 10 | 12,901                | 4.0                      | 516       |                |                    |                       |               |                          |        |
| STATES- 91             | 5 WITH HERD-MATES  | 8  | 13,252                | 4.0                      | 527       |                | 9<br>DIFF.         | 13,583<br>331-        | 510           |                          | 17     |
| 010237389 .....        | 5 NON-AI DAUGHTERS | 8  | 12,911                | 3.5                      | 453       |                |                    |                       |               |                          |        |
| STATES- 15,21,23,31    | 5 WITH HERD-MATES  | 8  | 12,911                | 3.5                      | 453       |                | 21<br>DIFF.        | 13,072<br>161-        | 468           |                          | 15-    |
| 010237440 .....        | 5 NON-AI DAUGHTERS | 11 | 12,094                | 3.9                      | 469       |                |                    |                       |               |                          |        |
| STATES- 21,23          | 5 WITH HERD-MATES  | 11 | 12,094                | 3.9                      | 469       |                | 12<br>DIFF.        | 12,002<br>92          | 445           |                          | 24     |
| 010239973 .....        | 5 NON-AI DAUGHTERS | 7  | 11,754                | 3.3                      | 392       |                |                    |                       |               |                          |        |
| STATES- 21,31,34       | 4 WITH HERD-MATES  | 6  | 11,285                | 3.3                      | 373       |                | 247<br>DIFF.       | 11,983<br>698-        | 429           |                          | 56-    |
| 010240716 .....        | 5 NON-AI DAUGHTERS | 7  | 12,937                | 3.4                      | 435       |                |                    |                       |               |                          |        |
| STATES- 21,31,34       | 4 WITH HERD-MATES  | 5  | 13,601                | 3.4                      | 461       |                | 7<br>DIFF.         | 12,191<br>1410        | 442           |                          | 19     |
| 010241147 .....        | 5 NON-AI DAUGHTERS | 8  | 12,708                | 3.5                      | 445       |                |                    |                       |               |                          |        |
| STATES- 13,21,23       | 5 WITH HERD-MATES  | 8  | 12,708                | 3.5                      | 445       |                | 17<br>DIFF.        | 13,546<br>838-        | 469           |                          | 24-    |
| 010242457 .....        | 6 NON-AI DAUGHTERS | 8  | 13,278                | 4.1                      | 545       |                |                    |                       |               |                          |        |
| STATES- 21,22,23,31,34 | 5 WITH HERD-MATES  | 7  | 13,147                | 4.0                      | 527       |                | 23<br>DIFF.        | 13,169<br>22-         | 495           |                          | 32     |
| 010242468 .....        | 5 NON-AI DAUGHTERS | 6  | 10,791                | 3.5                      | 373       |                |                    |                       |               |                          |        |
| STATES- 23,31,58       | 5 WITH HERD-MATES  | 6  | 10,791                | 3.5                      | 373       |                | 21<br>DIFF.        | 12,337<br>1546-       | 437           |                          | 64-    |
| 010242788 .....        | 6 NON-AI DAUGHTERS | 6  | 10,880                | 3.7                      | 402       |                |                    |                       |               |                          |        |
| STATES- 16,21,23       | 6 WITH HERD-MATES  | 6  | 10,880                | 3.7                      | 402       |                | 22<br>DIFF.        | 11,440<br>560-        | 421           |                          | 19-    |
| 010242860 .....        | 5 NON-AI DAUGHTERS | 9  | 13,671                | 3.4                      | 462       |                |                    |                       |               |                          |        |
| STATES- 63,64          | 5 WITH HERD-MATES  | 9  | 13,671                | 3.4                      | 462       |                | 8<br>DIFF.         | 12,728<br>943         | 467           |                          | 5-     |
| 010243168 .....        | 5 NON-AI DAUGHTERS | 6  | 11,230                | 3.7                      | 417       |                |                    |                       |               |                          |        |
| STATES- 16,21,34,58    | 4 WITH HERD-MATES  | 5  | 11,625                | 3.7                      | 434       |                | 8<br>DIFF.         | 12,149<br>524-        | 435           |                          | 1-     |
| 010243930 .....        | 5 NON-AI DAUGHTERS | 6  | 10,960                | 3.7                      | 402       |                |                    |                       |               |                          |        |
| STATES- 23,58          | 5 WITH HERD-MATES  | 6  | 10,960                | 3.7                      | 402       |                | 20<br>DIFF.        | 11,514<br>554-        | 419           |                          | 17-    |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN            |                    |    | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU.<br>FAT L8 | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK L8 | AV.<br>FAT L8 | PREDICTED AV.<br>MILK L8 | AV.<br>FAT L8 |
|---------------------|--------------------|----|-----------------------|--------------------------|-----------|----------------|-----------------------|-----------------------|---------------|--------------------------|---------------|
| 010243954 .....     | 6 NON-AI DAUGHTERS | 12 | 11,426                | 3.7                      | 421       |                |                       |                       |               |                          |               |
| STATES- 23,31,52,54 | 6 WITH HERD-MATES  | 12 | 11,426                | 3.7                      | 421       | 11<br>DIFF.    | 11,684<br>258-        | 430<br>9-             |               |                          |               |
| 010244293 .....     | 6 NON-AI DAUGHTERS | 13 | 9,779                 | 3.4                      | 330       |                |                       |                       |               |                          |               |
| STATES- 21,22,57    | 6 WITH HERD-MATES  | 13 | 9,779                 | 3.4                      | 330       | 17<br>DIFF.    | 10,551<br>772-        | 369<br>39-            |               |                          |               |
| 010244433 .....     | 5 NON-AI DAUGHTERS | 9  | 10,454                | 3.6                      | 379       |                |                       |                       |               |                          |               |
| STATES- 23,31,55    | 5 WITH HERD-MATES  | 9  | 10,454                | 3.6                      | 379       | 17<br>DIFF.    | 12,256<br>1802-       | 440<br>61-            |               |                          |               |
| 010244660 .....     | 5 NON-AI DAUGHTERS | 9  | 13,399                | 3.6                      | 489       |                |                       |                       |               |                          |               |
| STATES- 23,51,58    | 5 WITH HERD-MATES  | 9  | 13,399                | 3.6                      | 489       | 37<br>DIFF.    | 12,969<br>430         | 476<br>13             |               |                          |               |
| 010245251 .....     | 5 NON-AI DAUGHTERS | 9  | 12,513                | 3.4                      | 431       |                |                       |                       |               |                          |               |
| STATES- 23,52       | 5 WITH HERD-MATES  | 9  | 12,513                | 3.4                      | 431       | 11<br>DIFF.    | 11,308<br>1205        | 411<br>20             |               |                          |               |
| 010246871 .....     | 5 NON-AI DAUGHTERS | 12 | 11,618                | 3.6                      | 421       |                |                       |                       |               |                          |               |
| STATES- 13,21,23    | 5 WITH HERD-MATES  | 12 | 11,618                | 3.6                      | 421       | 51<br>DIFF.    | 13,267<br>1649-       | 476<br>55-            |               |                          |               |
| 010247053 .....     | 6 NON-AI DAUGHTERS | 6  | 12,463                | 3.7                      | 462       |                |                       |                       |               |                          |               |
| STATES- 21,22,23,51 | 6 WITH HERD-MATES  | 6  | 12,463                | 3.7                      | 462       | 24<br>DIFF.    | 13,080<br>617-        | 481<br>19-            |               |                          |               |
| 010247598 .....     | 5 NON-AI DAUGHTERS | 5  | 13,744                | 3.4                      | 471       |                |                       |                       |               |                          |               |
| STATES- 23          | 5 WITH HERD-MATES  | 5  | 13,744                | 3.4                      | 471       | 13<br>DIFF.    | 13,197<br>547         | 473<br>2-             |               |                          |               |
| 010248701 .....     | 5 NON-AI DAUGHTERS | 6  | 12,041                | 3.6                      | 436       |                |                       |                       |               |                          |               |
| STATES- 21,23,58    | 5 WITH HERD-MATES  | 6  | 12,041                | 3.6                      | 436       | 15<br>DIFF.    | 12,235<br>194-        | 442<br>6-             |               |                          |               |
| 010248715 .....     | 6 NON-AI DAUGHTERS | 7  | 12,662                | 3.7                      | 467       |                |                       |                       |               |                          |               |
| STATES- 21,23       | 6 WITH HERD-MATES  | 7  | 12,662                | 3.7                      | 467       | 29<br>DIFF.    | 12,873<br>211-        | 467                   |               |                          |               |
| 010249403 .....     | 5 NON-AI DAUGHTERS | 10 | 13,494                | 3.7                      | 502       |                |                       |                       |               |                          |               |
| STATES- 21,31,57    | 5 WITH HERD-MATES  | 10 | 13,494                | 3.7                      | 502       | 34<br>DIFF.    | 13,617<br>123-        | 501<br>1              |               |                          |               |
| 010249507 .....     | 5 NON-AI DAUGHTERS | 6  | 12,209                | 3.4                      | 413       |                |                       |                       |               |                          |               |
| STATES- 21,23       | 5 WITH HERD-MATES  | 6  | 12,209                | 3.4                      | 413       | 12<br>DIFF.    | 11,551<br>658         | 416<br>3-             |               |                          |               |
| 010249515 .....     | 6 NON-AI DAUGHTERS | 8  | 12,018                | 3.8                      | 461       |                |                       |                       |               |                          |               |
| STATES- 23,34,58    | 6 WITH HERD-MATES  | 8  | 12,018                | 3.8                      | 461       | 13<br>DIFF.    | 12,425<br>407-        | 443<br>18             |               |                          |               |
| 010249557 .....     | 5 NON-AI DAUGHTERS | 5  | 9,166                 | 4.2                      | 382       |                |                       |                       |               |                          |               |
| STATES- 21,31,51    | 4 WITH HERD-MATES  | 4  | 9,815                 | 4.1                      | 400       | 16<br>DIFF.    | 11,559<br>1744-       | 423<br>23-            |               |                          |               |
| 010250371 .....     | 5 NON-AI DAUGHTERS | 6  | 9,235                 | 4.0                      | 373       |                |                       |                       |               |                          |               |
| STATES- 14,23,51    | 5 WITH HERD-MATES  | 6  | 9,235                 | 4.0                      | 373       | 26<br>DIFF.    | 11,991<br>2756-       | 441<br>68-            |               |                          |               |
| 010250802 .....     | 5 NON-AI DAUGHTERS | 7  | 11,311                | 3.6                      | 409       |                |                       |                       |               |                          |               |
| STATES- 21,23       | 5 WITH HERD-MATES  | 7  | 11,311                | 3.6                      | 409       | 14<br>DIFF.    | 13,590<br>2279-       | 503<br>94-            |               |                          |               |
| 010251499 .....     | 5 NON-AI DAUGHTERS | 8  | 12,409                | 3.5                      | 430       |                |                       |                       |               |                          |               |
| STATES- 14,21,31,34 | 5 WITH HERD-MATES  | 8  | 12,409                | 3.5                      | 430       | 17<br>DIFF.    | 12,465<br>56-         | 444<br>14-            |               |                          |               |
| 010251647 .....     | 5 NON-AI DAUGHTERS | 8  | 11,187                | 3.8                      | 420       |                |                       |                       |               |                          |               |
| STATES- 21,23,31,50 | 5 WITH HERD-MATES  | 8  | 11,187                | 3.8                      | 420       | 11<br>DIFF.    | 13,669<br>2482-       | 491<br>71-            |               |                          |               |
| 010251788 .....     | 6 NON-AI DAUGHTERS | 7  | 11,793                | 3.5                      | 409       |                |                       |                       |               |                          |               |
| STATES- 13,21       | 6 WITH HERD-MATES  | 7  | 11,793                | 3.5                      | 409       | 17<br>DIFF.    | 11,751<br>42          | 411<br>2-             |               |                          |               |
| 010252676 .....     | 5 NON-AI DAUGHTERS | 6  | 13,405                | 3.4                      | 454       |                |                       |                       |               |                          |               |
| STATES- 21,22,23    | 5 WITH HERD-MATES  | 6  | 13,405                | 3.4                      | 454       | 21<br>DIFF.    | 12,985<br>420         | 455<br>1-             |               |                          |               |
| 010253770 .....     | 6 NON-AI DAUGHTERS | 8  | 12,669                | 3.5                      | 449       |                |                       |                       |               |                          |               |
| STATES- 16,21,22    | 6 WITH HERD-MATES  | 8  | 12,669                | 3.5                      | 449       | 24<br>DIFF.    | 13,796<br>1127-       | 512<br>63-            |               |                          |               |

## SIREN CF DHIA DAUGHTERS

| HOLSTEIN               | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |              |                 | PREDICTED AV. |           |
|------------------------|------------------------|------------|-----------|-----------|---------------------|--------------|-----------------|---------------|-----------|
|                        | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB   | FAT<br>LB       | MILK<br>LB    | FAT<br>LB |
| 010253866 .....        | 5 NON-AI DAUGHTERS     | 10         | 11,805    | 3.9       | 458                 |              |                 |               |           |
| STATES- 21,23,31,51    | 5 WITH HERD-MATES      | 10         | 11,805    | 3.9       | 458                 | 17<br>DIFF.  | 13,440<br>1635- | 486<br>28-    |           |
| 010255838 .....        | 5 NON-AI DAUGHTERS     | 5          | 10,874    | 3.4       | 366                 |              |                 |               |           |
| STATES- 21,23          | 5 WITH HERD-MATES      | 5          | 10,874    | 3.4       | 366                 | 22<br>DIFF.  | 13,242<br>2368- | 483<br>117-   |           |
| 010256056 .....        | 5 NON-AI DAUGHTERS     | 6          | 12,957    | 3.5       | 458                 |              |                 |               |           |
| STATES- 14,21          | 5 WITH HERD-MATES      | 6          | 12,957    | 3.5       | 458                 | 22<br>DIFF.  | 12,569<br>388   | 443<br>15     |           |
| 010256193 .....        | 5 NON-AI DAUGHTERS     | 9          | 12,479    | 3.5       | 442                 |              |                 |               |           |
| STATES- 23             | 5 WITH HERD-MATES      | 9          | 12,479    | 3.5       | 442                 | 9<br>DIFF.   | 12,249<br>230   | 436<br>6      |           |
| 010256307 .....        | 5 NON-AI DAUGHTERS     | 7          | 13,239    | 3.3       | 443                 |              |                 |               |           |
| STATES- 21,22          | 5 WITH HERD-MATES      | 6          | 13,163    | 3.3       | 440                 | 13<br>DIFF.  | 12,525<br>638   | 442<br>2-     |           |
| 010256766 .....        | 5 NON-AI DAUGHTERS     | 7          | 11,534    | 3.3       | 377                 |              |                 |               |           |
| STATES- 16,21,23,91    | 5 WITH HERD-MATES      | 7          | 11,534    | 3.3       | 377                 | 16<br>DIFF.  | 12,745<br>1211- | 463<br>86-    |           |
| 010256872 .....        | 5 NON-AI DAUGHTERS     | 5          | 11,848    | 3.3       | 395                 |              |                 |               |           |
| STATES- 21,23,34       | 5 WITH HERD-MATES      | 5          | 11,848    | 3.3       | 395                 | 134<br>DIFF. | 12,859<br>1011- | 465<br>70-    |           |
| 010256891 .....        | 5 NON-AI DAUGHTERS     | 6          | 10,804    | 4.1       | 440                 |              |                 |               |           |
| STATES- 31,34,52,86    | 4 WITH HERD-MATES      | 5          | 9,748     | 3.9       | 377                 | 41<br>DIFF.  | 11,115<br>1367- | 399<br>22-    |           |
| 010257338 .....        | 7 NON-AI DAUGHTERS     | 7          | 13,779    | 3.7       | 515                 |              |                 |               |           |
| STATES- 21,22,23,51    | 7 WITH HERD-MATES      | 7          | 13,779    | 3.7       | 515                 | 11<br>DIFF.  | 13,447<br>332   | 482<br>33     |           |
| 010257571 .....        | 6 NON-AI DAUGHTERS     | 8          | 13,002    | 3.7       | 487                 |              |                 |               |           |
| STATES- 21,23,31,34    | 6 WITH HERD-MATES      | 8          | 13,002    | 3.7       | 487                 | 27<br>DIFF.  | 11,839<br>1163  | 429<br>58     |           |
| 010257715 .....        | 5 NON-AI DAUGHTERS     | 6          | 14,193    | 3.7       | 531                 |              |                 |               |           |
| STATES- 21,31,34,58    | 5 WITH HERD-MATES      | 6          | 14,193    | 3.7       | 531                 | 34<br>DIFF.  | 12,882<br>1311  | 451<br>80     |           |
| 010257770 .....        | 5 NON-AI DAUGHTERS     | 7          | 13,751    | 3.7       | 503                 |              |                 |               |           |
| STATES- 13,16,21,22,23 | 5 WITH HERD-MATES      | 7          | 13,751    | 3.7       | 503                 | 26<br>DIFF.  | 12,424<br>1327  | 451<br>52     |           |
| 010258034 .....        | 7 NON-AI DAUGHTERS     | 8          | 12,431    | 3.9       | 484                 |              |                 |               |           |
| STATES- 21,23          | 7 WITH HERD-MATES      | 8          | 12,431    | 3.9       | 484                 | 18<br>DIFF.  | 13,605<br>1174- | 503<br>19-    |           |
| 010258205 .....        | 5 NON-AI DAUGHTERS     | 5          | 12,240    | 3.5       | 431                 |              |                 |               |           |
| STATES- 21,23,34,57,63 | 5 WITH HERD-MATES      | 5          | 12,240    | 3.5       | 431                 | 125<br>DIFF. | 11,676<br>564   | 432<br>1-     |           |
| 010258383 .....        | 6 NON-AI DAUGHTERS     | 6          | 12,228    | 3.5       | 430                 |              |                 |               |           |
| STATES- 21             | 6 WITH HERD-MATES      | 6          | 12,228    | 3.5       | 430                 | 24<br>DIFF.  | 14,214<br>1986- | 501<br>71-    |           |
| 010258727 .....        | 6 NON-AI DAUGHTERS     | 8          | 12,207    | 3.7       | 450                 |              |                 |               |           |
| STATES- 21,23,31       | 6 WITH HERD-MATES      | 8          | 12,207    | 3.7       | 450                 | 19<br>DIFF.  | 13,050<br>843-  | 485<br>35-    |           |
| 010259046 .....        | 6 NON-AI DAUGHTERS     | 6          | 13,592    | 3.8       | 512                 |              |                 |               |           |
| STATES- 34             | 6 WITH HERD-MATES      | 6          | 13,592    | 3.8       | 512                 | 16<br>DIFF.  | 14,783<br>1191- | 542<br>30-    |           |
| 010259176 .....        | 9 NON-AI DAUGHTERS     | 9          | 12,524    | 3.6       | 456                 |              |                 |               |           |
| STATES- 21,23,31,51,61 | 9 WITH HERD-MATES      | 9          | 12,524    | 3.6       | 456                 | 18<br>DIFF.  | 12,182<br>342   | 442<br>14     |           |
| 010259499 .....        | 5 NON-AI DAUGHTERS     | 6          | 10,752    | 3.7       | 395                 |              |                 |               |           |
| STATES- 23,31,51       | 5 WITH HERD-MATES      | 5          | 10,458    | 3.6       | 375                 | 34<br>DIFF.  | 12,955<br>2497- | 453<br>78-    |           |
| 010259542 .....        | 6 NON-AI DAUGHTERS     | 6          | 10,750    | 3.9       | 424                 |              |                 |               |           |
| STATES- 13,21,23,32    | 6 WITH HERD-MATES      | 6          | 10,750    | 3.9       | 424                 | 9<br>DIFF.   | 12,649<br>1899- | 467<br>43-    |           |
| 010261702 .....        | 7 NON-AI DAUGHTERS     | 7          | 12,429    | 3.7       | 461                 |              |                 |               |           |
| STATES- 21,34,56       | 7 WITH HERD-MATES      | 7          | 12,429    | 3.7       | 461                 | 22<br>DIFF.  | 13,340<br>911-  | 477<br>16-    |           |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN            |                     |    | AV. PRDUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. MILK | AV. FAT     | PREDICTED AV. |
|---------------------|---------------------|----|-----------------------|---------------------|----------|-------------|---------------|
|                     |                     |    | RECORDS MILK TEST FAT | NUMBER L8 L8 L8     |          |             | MILK FAT      |
|                     |                     |    | NUMBER L8 L8 L8       |                     |          |             | MILK FAT      |
| 010261992 .....     | 5 NDN-AI DAUGHTERS  | 5  | 15,004                | 3.4                 | 506      |             |               |
| STATES- 21,31,34    | 5 WITH HERD-MATES   | 5  | 15,004                | 3.4                 | 506      | 137         | 479           |
|                     |                     |    |                       |                     |          | DIFF. 1545  | 27            |
| 010262254 .....     | 5 NDN-AI DAUGHTERS  | 5  | 10,996                | 3.5                 | 380      |             |               |
| STATES- 13,21       | 5 WITH HERD-MATES   | 5  | 10,996                | 3.5                 | 380      | 58          | 460           |
|                     |                     |    |                       |                     |          | DIFF. 1902- | 80-           |
| 010262316 .....     | 5 NDN-AI DAUGHTERS  | 5  | 12,160                | 3.3                 | 400      |             |               |
| STATES- 21          | 5 WITH HERD-MATES   | 5  | 12,160                | 3.3                 | 400      | 16          | 416           |
|                     |                     |    |                       |                     |          | DIFF. 215   | 16-           |
| 010262438 .....     | 5 NDN-AI DAUGHTERS  | 5  | 13,260                | 3.5                 | 459      |             |               |
| STATES- 21          | 5 WITH HERD-MATES   | 5  | 13,260                | 3.5                 | 459      | 19          | 459           |
|                     |                     |    |                       |                     |          | DIFF. 308   |               |
| 010262688 .....     | 6 NDN-AI DAUGHTERS  | 6  | 12,913                | 3.7                 | 481      |             |               |
| STATES- 21,23       | 6 WITH HERD-MATES   | 6  | 12,913                | 3.7                 | 481      | 19          | 520           |
|                     |                     |    |                       |                     |          | DIFF. 1344- | 39-           |
| 010263475 .....     | 10 NDN-AI DAUGHTERS | 11 | 12,408                | 3.4                 | 421      |             |               |
| STATES- 13,14,21,23 | 10 WITH HERD-MATES  | 11 | 12,408                | 3.4                 | 421      | 22          | 458           |
|                     |                     |    |                       |                     |          | DIFF. 120-  | 37-           |
| 010267150 .....     | 6 NDN-AI DAUGHTERS  | 6  | 10,800                | 3.7                 | 402      |             |               |
| STATES- 11,21,23,31 | 5 WITH HERD-MATES   | 5  | 11,922                | 3.6                 | 430      | 8           | 438           |
|                     |                     |    |                       |                     |          | DIFF. 79-   | 8-            |
| 11WAE0424 .....     | 7 NDN-AI DAUGHTERS  | 9  | 13,411                | 3.7                 | 498      |             |               |
| STATES- 11          | 7 WITH HERD-MATES   | 9  | 13,411                | 3.7                 | 498      | 40          | 500           |
|                     |                     |    |                       |                     |          | DIFF. 185-  | 2-            |
| 11WAF0068 .....     | 6 NDN-AI DAUGHTERS  | 6  | 11,702                | 4.1                 | 480      |             |               |
| STATES- 11          | 6 WITH HERD-MATES   | 6  | 11,702                | 4.1                 | 480      | 10          | 529           |
|                     |                     |    |                       |                     |          | DIFF. 1106- | 49-           |
| 14WAA5339 .....     | 6 NDN-AI DAUGHTERS  | 6  | 12,293                | 4.4                 | 546      |             |               |
| STATES- 14          | 6 WITH HERD-MATES   | 6  | 12,293                | 4.4                 | 546      | 9           | 543           |
|                     |                     |    |                       |                     |          | DIFF. 1289- | 3             |
| 23AAP5621 .....     | 5 NDN-AI DAUGHTERS  | 8  | 10,059                | 4.1                 | 416      |             |               |
| STATES- 23          | 5 WITH HERD-MATES   | 8  | 10,059                | 4.1                 | 416      | 10          | 432           |
|                     |                     |    |                       |                     |          | DIFF. 1077- | 16-           |
| 23AAW8912 .....     | 7 NDN-AI DAUGHTERS  | 7  | 9,767                 | 3.3                 | 326      |             |               |
| STATES- 23          | 7 WITH HERD-MATES   | 7  | 9,767                 | 3.3                 | 326      | 2           | 365           |
|                     |                     |    |                       |                     |          | DIFF. 661-  | 39-           |
| 23ACH4874 .....     | 5 NDN-AI DAUGHTERS  | 8  | 10,695                | 3.9                 | 415      |             |               |
| STATES- 23          | 5 WITH HERD-MATES   | 8  | 10,695                | 3.9                 | 415      | 9           | 440           |
|                     |                     |    |                       |                     |          | DIFF. 559-  | 25-           |
| 23ACJ1800 .....     | 5 NDN-AI DAUGHTERS  | 8  | 13,402                | 3.3                 | 446      |             |               |
| STATES- 23          | 5 WITH HERD-MATES   | 8  | 13,402                | 3.3                 | 446      | 9           | 507           |
|                     |                     |    |                       |                     |          | DIFF. 833-  | 61-           |
| 23AED6127 .....     | 5 NDN-AI DAUGHTERS  | 6  | 12,688                | 3.9                 | 490      |             |               |
| STATES- 23          | 5 WITH HERD-MATES   | 6  | 12,688                | 3.9                 | 490      | 4           | 508           |
|                     |                     |    |                       |                     |          | DIFF. 791-  | 18-           |
| 23WA84225 .....     | 7 NDN-AI DAUGHTERS  | 7  | 14,040                | 3.5                 | 486      |             |               |
| STATES- 23          | 7 WITH HERD-MATES   | 7  | 14,040                | 3.5                 | 486      | 13          | 491           |
|                     |                     |    |                       |                     |          | DIFF. 800   | 5-            |
| 23WAH8909 .....     | 5 NDN-AI DAUGHTERS  | 5  | 13,016                | 3.5                 | 455      |             |               |
| STATES- 23          | 5 WITH HERD-MATES   | 5  | 13,016                | 3.5                 | 455      | 11          | 433           |
|                     |                     |    |                       |                     |          | DIFF. 805   | 22            |
| 23WAK9877 .....     | 5 NDN-AI DAUGHTERS  | 7  | 8,905                 | 4.4                 | 390      |             |               |
| STATES- 23          | 5 WITH HERD-MATES   | 7  | 8,905                 | 4.4                 | 390      | 8           | 410           |
|                     |                     |    |                       |                     |          | DIFF. 1725- | 20-           |
| 230AW8536 .....     | 8 NDN-AI DAUGHTERS  | 9  | 15,901                | 4.1                 | 646      |             |               |
| STATES- 23          | 8 WITH HERD-MATES   | 9  | 15,901                | 4.1                 | 646      | 9           | 596           |
|                     |                     |    |                       |                     |          | DIFF. 621   | 50            |
| 230T21967 .....     | 12 NDN-AI DAUGHTERS | 13 | 9,461                 | 3.6                 | 341      |             |               |
| STATES- 23          | 12 WITH HERD-MATES  | 13 | 9,461                 | 3.6                 | 341      | 17          | 473           |
|                     |                     |    |                       |                     |          | DIFF. 3034- | 132-          |
| 31WAC6658 .....     | 5 NDN-AI DAUGHTERS  | 5  | 10,842                | 3.7                 | 405      |             |               |
| STATES- 31          | 5 WITH HERD-MATES   | 5  | 10,842                | 3.7                 | 405      | 5           | 405           |
|                     |                     |    |                       |                     |          | DIFF. 514-  |               |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN        |                     |    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|-----------------|---------------------|----|------------------------|---------------------|---------------|
|                 |                     |    | RECD RDS MILK TEST FAT | NUMBER MILK FAT     | MILK FAT      |
|                 |                     |    | NUMBER LB % LB         | NUMBER LB LB        | L8 L8         |
| 33WAA5621 ..... | 6 NDN-AI DAUGHTERS  | 6  | 10,772 3.9 419         |                     |               |
| STATES- 33      | 6 WITH HERD-MATES   | 6  | 10,772 3.9 419         | 19 DIFF. 11,836 436 | 1064- 17-     |
| 3300J8563 ..... | 5 NDN-AI DAUGHTERS  | 9  | 10,449 3.7 388         |                     |               |
| STATES- 33      | 5 WITH HERD-MATES   | 9  | 10,449 3.7 388         | 10 DIFF. 12,550 455 | 2101- 67-     |
| 41WAC2605 ..... | 5 NDN-AI DAUGHTERS  | 5  | 9,956 3.6 362          |                     |               |
| STATES- 41      | 5 WITH HERD-MATES   | 5  | 9,956 3.6 362          | 8 DIFF. 10,672 400  | 716- 38-      |
| 41WAD1713 ..... | 6 NDN-AI DAUGHTERS  | 10 | 11,162 3.7 415         |                     |               |
| STATES- 41      | 5 WITH HERD-MATES   | 9  | 11,468 3.6 418         | 7 DIFF. 11,994 450  | 526- 32-      |
| 41WAE2533 ..... | 6 NDN-AI DAUGHTERS  | 6  | 11,043 3.5 391         |                     |               |
| STATES- 41      | 6 WITH HERD-MATES   | 6  | 11,043 3.5 391         | 11 DIFF. 14,113 509 | 3070- 118-    |
| 41WCE0840 ..... | 5 NDN-AI DAUGHTERS  | 5  | 10,748 3.5 380         |                     |               |
| STATES- 41      | 5 WITH HERD-MATES   | 5  | 10,748 3.5 380         | 8 DIFF. 11,475 409  | 727- 29-      |
| 4108T8072 ..... | 10 NDN-AI DAUGHTERS | 11 | 11,517 3.6 418         |                     |               |
| STATES- 41      | 10 WITH HERD-MATES  | 11 | 11,517 3.6 418         | 8 DIFF. 11,820 432  | 303- 14-      |
| 410EV6766 ..... | 7 NDN-AI DAUGHTERS  | 7  | 11,727 3.7 439         |                     |               |
| STATES- 41      | 7 WITH HERD-MATES   | 7  | 11,727 3.7 439         | 11 DIFF. 12,103 442 | 376- 3-       |
| 4108Y4325 ..... | 5 NDN-AI DAUGHTERS  | 5  | 16,616 3.5 589         |                     |               |
| STATES- 41      | 5 WITH HERD-MATES   | 5  | 16,616 3.5 589         | 11 DIFF. 14,166 540 | 2450 49       |
| 42DAG0348 ..... | 5 NDN-AI DAUGHTERS  | 7  | 12,651 3.4 434         |                     |               |
| STATES- 42      | 5 WITH HERD-MATES   | 7  | 12,651 3.4 434         | 21 DIFF. 12,891 446 | 240- 12-      |
| 42WAF9659 ..... | 6 NDN-AI DAUGHTERS  | 6  | 11,080 3.9 429         |                     |               |
| STATES- 42      | 6 WITH HERD-MATES   | 6  | 11,080 3.9 429         | 11 DIFF. 9,776 379  | 1304 50       |
| 42WAH7634 ..... | 6 NDN-AI DAUGHTERS  | 6  | 12,212 3.3 400         |                     |               |
| STATES- 42      | 6 WITH HERD-MATES   | 6  | 12,212 3.3 400         | 5 DIFF. 9,573 315   | 2639 85       |
| 42WAT2184 ..... | 9 NDN-AI DAUGHTERS  | 11 | 10,429 3.6 376         |                     |               |
| STATES- 42      | 9 WITH HERD-MATES   | 11 | 10,429 3.6 376         | 15 DIFF. 10,369 369 | 60 7          |
| 42WAW8380 ..... | 5 NDN-AI DAUGHTERS  | 5  | 11,262 3.2 364         |                     |               |
| STATES- 42      | 5 WITH HERD-MATES   | 5  | 11,262 3.2 364         | 12 DIFF. 11,797 401 | 535- 37-      |
| 46WAD24DD ..... | 10 NDN-AI DAUGHTERS | 10 | 9,789 3.5 343          |                     |               |
| STATES- 46      | 10 WITH HERD-MATES  | 10 | 9,789 3.5 343          | 9 DIFF. 9,891 354   | 102- 11-      |
| 46WAD7278 ..... | 24 NDN-AI DAUGHTERS | 24 | 11,431 3.5 398         |                     |               |
| STATES- 46      | 24 WITH HERD-MATES  | 24 | 11,431 3.5 398         | 6 DIFF. 12,550 414  | 1119- 16-     |
| 48WAA2927 ..... | 5 NDN-AI DAUGHTERS  | 7  | 12,181 3.7 448         |                     |               |
| STATES- 48      | 4 WITH HERD-MATES   | 6  | 12,806 3.7 474         | 5 DIFF. 12,827 473  | 21- 1         |
| 48WAA3103 ..... | 10 NDN-AI DAUGHTERS | 10 | 11,407 3.9 441         |                     |               |
| STATES- 48      | 9 WITH HERD-MATES   | 9  | 11,302 3.9 438         | 11 DIFF. 11,585 429 | 283- 9        |
| 51WAF2D42 ..... | 6 NDN-AI DAUGHTERS  | 9  | 10,388 4.0 415         |                     |               |
| STATES- 51      | 6 WITH HERD-MATES   | 9  | 10,388 4.0 415         | 9 DIFF. 11,852 449  | 1464- 34-     |
| 52A8K2628 ..... | 9 NDN-AI DAUGHTERS  | 15 | 9,404 3.7 348          |                     |               |
| STATES- 52      | 9 WITH HERD-MATES   | 15 | 9,404 3.7 348          | 17 DIFF. 10,011 354 | 607- 6-       |
| 52ACN9713 ..... | 5 NDN-AI DAUGHTERS  | 8  | 11,188 3.5 390         |                     |               |
| STATES- 52      | 5 WITH HERD-MATES   | 8  | 11,188 3.5 390         | 20 DIFF. 12,248 451 | 1060- 61-     |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN        |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|-----------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 52D868939 ..... | 5  | NON-AI DAUGHTERS | 11          | 13,589                | 3.9    | 527         |                 |                    |            |                   |            |
| STATES- 52      | 5  | WITH HERD-MATES  | 11          | 13,589                | 3.9    | 527         | 8               | 12,271             | 465        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 1318               | 62         |                   |            |
| 52NV13758 ..... | 5  | NON-AI DAUGHTERS | 6           | 8,388                 | 3.6    | 299         |                 |                    |            |                   |            |
| STATES- 52      | 5  | WITH HERD-MATES  | 6           | 8,388                 | 3.6    | 299         | 37              | 9,519              | 363        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 1131-              | 64-        |                   |            |
| 52XAA9400 ..... | 5  | NON-AI DAUGHTERS | 9           | 10,429                | 3.8    | 392         |                 |                    |            |                   |            |
| STATES- 52      | 5  | WITH HERD-MATES  | 8           | 10,468                | 3.8    | 393         | 24              | 9,969              | 380        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 499                | 13         |                   |            |
| 52XAA9416 ..... | 11 | NON-AI DAUGHTERS | 17          | 9,744                 | 3.9    | 376         |                 |                    |            |                   |            |
| STATES- 52      | 11 | WITH HERD-MATES  | 17          | 9,744                 | 3.9    | 376         | 19              | 9,997              | 379        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 253-               | 3-         |                   |            |
| 52XAE0060 ..... | 10 | NON-AI DAUGHTERS | 13          | 13,422                | 3.8    | 516         |                 |                    |            |                   |            |
| STATES- 52      | 10 | WITH HERD-MATES  | 12          | 13,368                | 3.9    | 515         | 14              | 12,441             | 484        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 927                | 31         |                   |            |
| 52XAE2651 ..... | 6  | NON-AI DAUGHTERS | 6           | 13,843                | 3.4    | 464         |                 |                    |            |                   |            |
| STATES- 52      | 6  | WITH HERD-MATES  | 6           | 13,843                | 3.4    | 464         | 11              | 13,573             | 503        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 270                | 39-        |                   |            |
| 52XAF4837 ..... | 5  | NON-AI DAUGHTERS | 12          | 13,478                | 3.6    | 487         |                 |                    |            |                   |            |
| STATES- 52      | 5  | WITH HERD-MATES  | 12          | 13,478                | 3.6    | 487         | 11              | 13,574             | 495        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 96-                | 8-         |                   |            |
| 52XAG8790 ..... | 5  | NON-AI DAUGHTERS | 7           | 12,637                | 3.8    | 476         |                 |                    |            |                   |            |
| STATES- 52      | 5  | WITH HERD-MATES  | 7           | 12,637                | 3.8    | 476         | 19              | 13,746             | 510        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 1109-              | 34-        |                   |            |
| 52XAJ9988 ..... | 9  | NON-AI DAUGHTERS | 10          | 11,591                | 3.7    | 434         |                 |                    |            |                   |            |
| STATES- 52      | 9  | WITH HERD-MATES  | 10          | 11,591                | 3.7    | 434         | 12              | 12,119             | 466        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 528-               | 32-        |                   |            |
| 52XAM3955 ..... | 14 | NON-AI DAUGHTERS | 17          | 11,685                | 3.6    | 419         |                 |                    |            |                   |            |
| STATES- 52      | 14 | WITH HERD-MATES  | 17          | 11,685                | 3.6    | 419         | 43              | 12,397             | 456        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 712-               | 37-        |                   |            |
| 52XAN7390 ..... | 7  | NON-AI DAUGHTERS | 7           | 8,493                 | 3.5    | 297         |                 |                    |            |                   |            |
| STATES- 52      | 7  | WITH HERD-MATES  | 7           | 8,493                 | 3.5    | 297         | 34              | 9,862              | 366        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 1369-              | 69-        |                   |            |
| 54WAC7128 ..... | 17 | NON-AI DAUGHTERS | 28          | 11,786                | 3.6    | 423         |                 |                    |            |                   |            |
| STATES- 54      | 11 | WITH HERD-MATES  | 12          | 11,158                | 3.6    | 407         | 2               | 11,907             | 436        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 749-               | 29-        |                   |            |
| 55WAE6317 ..... | 7  | NON-AI DAUGHTERS | 7           | 9,640                 | 4.2    | 409         |                 |                    |            |                   |            |
| STATES- 55      | 3  | WITH HERD-MATES  | 3           | 11,230                | 4.0    | 450         | 31              | 11,271             | 432        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 41-                | 18         |                   |            |
| 55WAG6266 ..... | 6  | NON-AI DAUGHTERS | 6           | 12,533                | 3.8    | 472         |                 |                    |            |                   |            |
| STATES- 55      | 6  | WITH HERD-MATES  | 6           | 12,533                | 3.8    | 472         | 55              | 11,891             | 434        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 642                | 38         |                   |            |
| 870XD2999 ..... | 9  | NON-AI DAUGHTERS | 9           | 15,793                | 3.7    | 580         |                 |                    |            |                   |            |
| STATES- 87      | 9  | WITH HERD-MATES  | 9           | 15,793                | 3.7    | 580         | 66              | 14,894             | 523        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 899                | 57         |                   |            |
| 92WAD1772 ..... | 5  | NON-AI DAUGHTERS | 15          | 12,136                | 4.3    | 518         |                 |                    |            |                   |            |
| STATES- 92      | 5  | WITH HERD-MATES  | 12          | 12,078                | 4.2    | 513         | 6               | 12,953             | 480        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 875-               | 33         |                   |            |
| 93W886506 ..... | 12 | NON-AI DAUGHTERS | 21          | 14,197                | 3.6    | 512         |                 |                    |            |                   |            |
| STATES- 93      | 12 | WITH HERD-MATES  | 21          | 14,197                | 3.6    | 512         | 106             | 14,988             | 529        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 791-               | 17-        |                   |            |
| 9300G8510 ..... | 15 | NON-AI DAUGHTERS | 55          | 10,620                | 3.8    | 400         |                 |                    |            |                   |            |
| STATES- 93      | 14 | WITH HERD-MATES  | 39          | 10,339                | 3.7    | 385         | 3               | 11,066             | 421        |                   |            |
|                 |    |                  |             |                       |        |             | DIFF.           | 727-               | 36-        |                   |            |



## SIRE OF DHIA DAUGHTERS

| JERSEY                                | AV. PRODUCTION OF |                  |      |        | ADJ. HERD-MATES AV. |      |       | PREDICTED AV. |           |
|---------------------------------------|-------------------|------------------|------|--------|---------------------|------|-------|---------------|-----------|
|                                       | RECORDS           | MILK             | TEST | FAT    | AV.                 | MILK | FAT   | MILK          | FAT       |
|                                       | NUMBER            | L8               | %    | L8     | NUMBER              | L8   | L8    | L8            | L8        |
| 472128 .....                          | 7                 | NON-AI DAUGHTERS | 9    | 10,140 | 5.2                 | 524  |       |               |           |
| STATES- 22                            | 6                 | WITH HERD-MATES  | 8    | 10,286 | 5.2                 | 532  | 88    | 10,291        | 533       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 5-            | 1-        |
| 474007 SYBIL OWL BENJAMIN.....        |                   |                  |      |        |                     |      |       |               |           |
| 08-11-45 396681 1298290               | 625               | AI DAUGHTERS     | 1489 | 8,373  | 5.2                 | 436  |       |               |           |
| AI STUD, 23-05 LISTED, 08-63          | 553               | WITH HERD-MATES  | 1352 | 8,451  | 5.2                 | 441  | 9     | 8,148         | 424       |
| STATES- 21,23,31,50,51,54             |                   |                  |      |        |                     |      | DIFF. | 303           | 17        |
|                                       | 7                 | NON-AI DAUGHTERS | 23   | 8,058  | 5.1                 | 414  |       |               | 8,227 430 |
|                                       | 1                 | WITH HERD-MATES  | 3    | 10,300 | 4.6                 | 470  | 1     | 8,148         | 424       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 2152          | 46        |
| 480836 .....                          |                   |                  |      |        |                     |      |       |               |           |
| STATES- 23                            | 22                | NON-AI DAUGHTERS | 24   | 9,029  | 5.4                 | 491  |       |               |           |
|                                       | 22                | WITH HERD-MATES  | 24   | 9,029  | 5.4                 | 491  | 18    | 8,850         | 467       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 179           | 24        |
| 490529 SYBIL OWL DEMPSTER.....        |                   |                  |      |        |                     |      |       |               |           |
| 06-06-47 396681 1404261               | 198               | AI DAUGHTERS     | 407  | 8,461  | 5.2                 | 436  |       |               |           |
| AI STUD, 21-01 LISTED, 08-63          | 144               | WITH HERD-MATES  | 306  | 8,550  | 5.2                 | 441  | 13    | 8,127         | 423       |
| STATES- 12,13,21,23                   |                   |                  |      |        |                     |      | DIFF. | 423           | 18        |
|                                       | 20                | NON-AI DAUGHTERS | 56   | 7,566  | 5.2                 | 397  |       |               | 8,319 430 |
|                                       | 3                 | WITH HERD-MATES  | 11   | 6,301  | 5.3                 | 337  | 4     | 7,485         | 386       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 1184-         | 49-       |
| 492482 .....                          |                   |                  |      |        |                     |      |       |               |           |
| STATES- 50,74                         | 5                 | NON-AI DAUGHTERS | 9    | 9,719  | 4.7                 | 455  |       |               |           |
|                                       | 3                 | WITH HERD-MATES  | 6    | 12,156 | 4.5                 | 551  | 4     | 8,127         | 384       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 4029          | 167       |
| 499207 BASIL RADAR.....               |                   |                  |      |        |                     |      |       |               |           |
| 10-29-47 475948 1547046               | 584               | AI DAUGHTERS     | 993  | 8,291  | 5.3                 | 436  |       |               |           |
| AI STUD, 31-01 LISTED, 08-63          | 556               | WITH HERD-MATES  | 946  | 8,286  | 5.3                 | 437  | 18    | 8,171         | 420       |
| STATES- 11,13,21,22,23,31,32,         |                   |                  |      |        |                     |      | DIFF. | 115           | 17        |
| 33,34,35,41,42,43,48,52,54,55,        | 51                | NON-AI DAUGHTERS | 153  | 8,203  | 5.3                 | 435  |       |               | 8,047 430 |
| 56,57,58,61,63,64,65,73,74,84         | 27                | WITH HERD-MATES  | 104  | 8,198  | 5.2                 | 426  | 15    | 7,755         | 403       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 443           | 23        |
| 503554 WELCOME MOHAWK.....            |                   |                  |      |        |                     |      |       |               |           |
| 05-25-48 399447 1285259               | 230               | AI DAUGHTERS     | 441  | 8,364  | 5.2                 | 432  |       |               |           |
| AI STUD, 21-01 LISTED, 08-63          | 200               | WITH HERD-MATES  | 378  | 8,413  | 5.2                 | 435  | 13    | 8,333         | 435       |
| STATES- 11,12,13,14,21                |                   |                  |      |        |                     |      | DIFF. | 80            | 435       |
|                                       |                   |                  |      |        |                     |      |       |               | 8,025 415 |
| 503991 .....                          |                   |                  |      |        |                     |      |       |               |           |
| STATES- 31,32                         | 5                 | NON-AI DAUGHTERS | 11   | 9,129  | 4.9                 | 449  |       |               |           |
|                                       | 5                 | WITH HERD-MATES  | 11   | 9,129  | 4.9                 | 449  | 4     | 8,249         | 428       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 880           | 21        |
| 505918 .....                          |                   |                  |      |        |                     |      |       |               |           |
| STATES- 55,56,58                      | 6                 | NON-AI DAUGHTERS | 16   | 7,824  | 4.7                 | 371  |       |               |           |
|                                       | 4                 | WITH HERD-MATES  | 8    | 8,592  | 4.6                 | 391  | 32    | 7,334         | 353       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 1258          | 38        |
| 514180 .....                          |                   |                  |      |        |                     |      |       |               |           |
| STATES- 92                            | 5                 | NON-AI DAUGHTERS | 5    | 7,654  | 4.6                 | 355  |       |               |           |
|                                       | 3                 | WITH HERD-MATES  | 3    | 8,923  | 4.5                 | 405  | 12    | 8,116         | 415       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 807           | 10-       |
| 514981 COURAGEOUS WM PENN.....        |                   |                  |      |        |                     |      |       |               |           |
| 05-02-49 413575 1198445               | 191               | AI DAUGHTERS     | 418  | 8,423  | 5.1                 | 431  |       |               |           |
| AI STUD, 23-05 LISTED, 08-63          | 184               | WITH HERD-MATES  | 402  | 8,440  | 5.1                 | 433  | 10    | 8,163         | 427       |
| STATES- 23,31,51,54                   |                   |                  |      |        |                     |      | DIFF. | 277           | 6         |
|                                       |                   |                  |      |        |                     |      |       |               | 8,191 420 |
| 517911 .....                          |                   |                  |      |        |                     |      |       |               |           |
| STATES- 21,23                         | 5                 | NON-AI DAUGHTERS | 6    | 8,842  | 4.9                 | 437  |       |               |           |
|                                       | 5                 | WITH HERD-MATES  | 6    | 8,842  | 4.9                 | 437  | 23    | 8,717         | 461       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 125           | 24-       |
| 519040 .....                          |                   |                  |      |        |                     |      |       |               |           |
| STATES- 65                            | 5                 | NON-AI DAUGHTERS | 11   | 8,223  | 4.8                 | 391  |       |               |           |
|                                       | 5                 | WITH HERD-MATES  | 11   | 8,223  | 4.8                 | 391  | 11    | 7,712         | 389       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 511           | 2         |
| 520539 TRISTRAM BASIL BARON.....      |                   |                  |      |        |                     |      |       |               |           |
| 05-01-49 435991 1324349               | 33                | AI DAUGHTERS     | 44   | 8,059  | 5.4                 | 437  |       |               |           |
| AI STUD, 41-01 LISTED, 08-63          | 30                | WITH HERD-MATES  | 39   | 7,963  | 5.5                 | 439  | 9     | 7,889         | 425       |
| STATES- 41,42,45                      |                   |                  |      |        |                     |      | DIFF. | 74            | 14        |
|                                       | 27                | NON-AI DAUGHTERS | 101  | 6,660  | 5.3                 | 353  |       |               | 7,961 424 |
|                                       | 23                | WITH HERD-MATES  | 78   | 6,886  | 5.3                 | 366  | 2     | 7,853         | 403       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 967-          | 37-       |
| 521175 BASSETT FARM FAIRY BASIL.....  |                   |                  |      |        |                     |      |       |               |           |
| 04-10-48 477612 1403296               | 198               | AI DAUGHTERS     | 424  | 8,652  | 5.4                 | 463  |       |               |           |
| AI STUD, 16-04 LISTED, 08-63          | 187               | WITH HERD-MATES  | 397  | 8,642  | 5.4                 | 464  | 11    | 8,555         | 446       |
| STATES- 12,13,14,16,21                |                   |                  |      |        |                     |      | DIFF. | 87            | 18        |
|                                       | 17                | NON-AI DAUGHTERS | 68   | 8,594  | 5.6                 | 483  |       |               | 8,050 433 |
|                                       | 8                 | WITH HERD-MATES  | 28   | 9,425  | 5.2                 | 489  | 7     | 8,513         | 453       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 912           | 36        |
| 524199 HIGH LAWN BISHOP.....          |                   |                  |      |        |                     |      |       |               |           |
| 02-11-50 473965 1285267               | 256               | AI DAUGHTERS     | 367  | 9,133  | 4.8                 | 442  |       |               |           |
| AI STUD, 23-05 LISTED, 08-63          | 247               | WITH HERD-MATES  | 355  | 9,149  | 4.9                 | 445  | 17    | 8,578         | 449       |
| STATES- 11,13,14,15,21,22,23,         |                   |                  |      |        |                     |      | DIFF. | 571           | 4-        |
| 50,52,54,63                           | 38                | NON-AI DAUGHTERS | 111  | 10,682 | 4.9                 | 527  |       |               | 8,516 413 |
|                                       | 27                | WITH HERD-MATES  | 85   | 10,337 | 5.0                 | 520  | 32    | 9,772         | 521       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 565           | 1-        |
| 524654 ZINNIA ADVANCER VOLUNTEER..... |                   |                  |      |        |                     |      |       |               |           |
| 08-17-49 462656 1390635               | 26                | AI DAUGHTERS     | 27   | 7,149  | 5.1                 | 365  |       |               |           |
| AI STUD, 51-02 LISTED, 08-63          | 25                | WITH HERD-MATES  | 26   | 7,124  | 5.1                 | 365  | 16    | 7,622         | 397       |
| STATES- 16,31,42,43,51,52,54,         |                   |                  |      |        |                     |      | DIFF. | 498-          | 32-       |
| 55,56,64                              | 51                | NON-AI DAUGHTERS | 152  | 7,940  | 5.3                 | 422  |       |               | 7,557 390 |
|                                       | 25                | WITH HERD-MATES  | 98   | 8,749  | 5.2                 | 459  | 10    | 8,508         | 453       |
|                                       |                   |                  |      |        |                     |      | DIFF. | 241           | 6         |

## SIREs OF DHIA DAUGHTERS

| JERSEY                        |                                  |     |                  | AV. RECOROS<br>NUMBER | PRODUCTION OF<br>MILK LBS | TEST<br>% | DAU.<br>FAT LBS | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK LBS | AV.<br>FAT LBS | PREDICTED AV.<br>MILK LBS | FAT LBS |
|-------------------------------|----------------------------------|-----|------------------|-----------------------|---------------------------|-----------|-----------------|-----------------------|------------------------|----------------|---------------------------|---------|
| 525627                        | MURRAY RDYAL DESIGN JEWELER..... |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 02-12-50                      | 409653 1565130                   | 147 | AI DAUGHTERS     | 270                   | 9,078                     | 4.9       | 446             |                       |                        |                |                           |         |
| AI STUO, 61-01                | LISTED, 08-63                    | 144 | WITH HERD-MATES  | 263                   | 9,170                     | 4.9       | 451             | 17                    | 8,225                  | 417            | 8,808                     | 444     |
| STATES- 57,58,61,63,65,92     |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 945                    | 34             |                           |         |
|                               |                                  | 34  | NDN-AI DAUGHTERS | 109                   | 9,238                     | 4.8       | 442             |                       |                        |                |                           |         |
|                               |                                  | 30  | WITH HERD-MATES  | 101                   | 9,171                     | 4.8       | 436             | 14                    | 8,323                  | 421            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 848                    | 15             |                           |         |
| 525904                        | .....                            |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
|                               |                                  | 5   | NDN-AI DAUGHTERS | 12                    | 6,741                     | 5.1       | 344             |                       |                        |                |                           |         |
| STATES- 33                    |                                  | 5   | WITH HERD-MATES  | 9                     | 6,575                     | 5.0       | 332             | 7                     | 7,387                  | 373            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 812-                   | 41-            |                           |         |
| 526424                        | .....                            |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
|                               |                                  | 5   | NDN-AI DAUGHTERS | 9                     | 8,414                     | 4.7       | 399             |                       |                        |                |                           |         |
| STATES- 31,58                 |                                  | 5   | WITH HERD-MATES  | 9                     | 8,414                     | 4.7       | 399             | 36                    | 8,235                  | 400            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 179                    | 1-             |                           |         |
| 529078                        | TAMARACK CRYSTAL ADVANCER.....   |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 05-31-50                      | 469102 1457326                   | 96  | AI DAUGHTERS     | 122                   | 8,301                     | 5.3       | 437             |                       |                        |                |                           |         |
| AI STUO, 16-04                | LISTED, 08-63                    | 90  | WITH HERD-MATES  | 115                   | 8,393                     | 5.3       | 442             | 13                    | 8,623                  | 449            | 7,770                     | 410     |
| STATES- 12,13,14,21           |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 230-                   | 7-             |                           |         |
|                               |                                  | 22  | NDN-AI DAUGHTERS | 62                    | 9,007                     | 5.1       | 456             |                       |                        |                |                           |         |
|                               |                                  | 15  | WITH HERD-MATES  | 44                    | 9,115                     | 5.0       | 453             | 6                     | 7,904                  | 409            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 1211                   | 44             |                           |         |
| 529973                        | COMMANOD DDN AIM.....            |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 07-17-50                      | 475931 1528840                   | 23  | AI DAUGHTERS     | 31                    | 8,053                     | 5.5       | 440             |                       |                        |                |                           |         |
| AI STUO, 34-01                | LISTED, 08-63                    | 22  | WITH HERD-MATES  | 29                    | 8,002                     | 5.5       | 442             | 12                    | 7,847                  | 415            | 8,005                     | 430     |
| STATES- 31,34,58              |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 155                    | 27             |                           |         |
|                               |                                  | 26  | NDN-AI DAUGHTERS | 102                   | 9,727                     | 5.1       | 498             |                       |                        |                |                           |         |
|                               |                                  | 20  | WITH HERD-MATES  | 89                    | 9,879                     | 5.1       | 506             | 39                    | 8,772                  | 443            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 1107                   | 63             |                           |         |
| 530097                        | TRISTRAM BASIL STANOARD.....     |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 05-19-49                      | 435991 1493718                   | 72  | AI DAUGHTERS     | 118                   | 8,508                     | 5.3       | 449             |                       |                        |                |                           |         |
| AI STUO, 87-01                | LISTED, 08-63                    | 64  | WITH HERD-MATES  | 105                   | 8,491                     | 5.3       | 448             | 10                    | 8,524                  | 439            | 7,934                     | 423     |
| STATES- 82,87                 |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 33-                    | 9              |                           |         |
|                               |                                  | 38  | NDN-AI DAUGHTERS | 141                   | 9,261                     | 5.6       | 514             |                       |                        |                |                           |         |
|                               |                                  | 34  | WITH HERD-MATES  | 119                   | 9,365                     | 5.6       | 521             | 9                     | 8,624                  | 461            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 741                    | 60             |                           |         |
| 531074                        | SIGNAL OXFORD SULTAN.....        |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 10-30-50                      | 419248 1287233                   | 6   | AI DAUGHTERS     | 6                     | 6,190                     | 4.9       | 302             |                       |                        |                |                           |         |
| AI STUO, 48-01                | LISTED, 08-63                    | 5   | WITH HERD-MATES  | 5                     | 6,440                     | 4.8       | 311             | 4                     | 6,519                  | 342            | 7,847                     | 402     |
| STATES- 47,48,74              |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 79-                    | 31-            |                           |         |
|                               |                                  | 41  | NDN-AI DAUGHTERS | 109                   | 8,891                     | 5.3       | 472             |                       |                        |                |                           |         |
|                               |                                  | 31  | WITH HERD-MATES  | 82                    | 8,959                     | 5.3       | 471             | 20                    | 8,535                  | 454            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 424                    | 17             |                           |         |
| 531342                        | JESTER BASIL DESIGN.....         |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 03-10-50                      | 448354 1512518                   | 80  | AI DAUGHTERS     | 93                    | 8,130                     | 5.3       | 430             |                       |                        |                |                           |         |
| AI STUO, 34-01                | LISTED, 08-63                    | 77  | WITH HERD-MATES  | 89                    | 8,139                     | 5.3       | 433             | 14                    | 8,154                  | 428            | 7,918                     | 418     |
| STATES- 21,23,31,32,33,34,35, |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 15-                    | 5              |                           |         |
| 52,56,61,63                   |                                  | 50  | NDN-AI DAUGHTERS | 123                   | 8,289                     | 5.2       | 434             |                       |                        |                |                           |         |
|                               |                                  | 43  | WITH HERD-MATES  | 109                   | 8,298                     | 5.2       | 428             | 11                    | 8,008                  | 417            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 290                    | 11             |                           |         |
| 531840                        | .....                            |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
|                               |                                  | 6   | NDN-AI DAUGHTERS | 37                    | 9,698                     | 5.5       | 532             |                       |                        |                |                           |         |
| STATES- 93                    |                                  | 6   | WITH HERD-MATES  | 37                    | 9,698                     | 5.5       | 532             | 9                     | 9,444                  | 514            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 254                    | 18             |                           |         |
| 532403                        | .....                            |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
|                               |                                  | 5   | NDN-AI DAUGHTERS | 5                     | 7,440                     | 4.5       | 335             |                       |                        |                |                           |         |
| STATES- 23                    |                                  | 5   | WITH HERD-MATES  | 5                     | 7,440                     | 4.5       | 335             | 43                    | 9,019                  | 469            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 1579-                  | 134-           |                           |         |
| 533617                        | TRISTRAM MARSHALL.....           |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 12-11-50                      | 500929 1556677                   | 57  | NDN-AI DAUGHTERS | 148                   | 10,474                    | 5.5       | 576             |                       |                        |                |                           |         |
| AI STUO, 31-02                | LISTED, 08-62                    | 47  | WITH HERD-MATES  | 129                   | 10,818                    | 5.5       | 594             | 40                    | 10,252                 | 542            |                           |         |
| STATES- 11,12,13,14,16,21     |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 566                    | 52             |                           |         |
| 534273                        | .....                            |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
|                               |                                  | 5   | NDN-AI DAUGHTERS | 9                     | 9,738                     | 5.4       | 526             |                       |                        |                |                           |         |
| AI STUO, 93-01                |                                  | 5   | WITH HERD-MATES  | 9                     | 9,738                     | 5.4       | 526             | 19                    | 10,553                 | 545            |                           |         |
| STATES- 93                    |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 815-                   | 19-            |                           |         |
| 534585                        | ADVANCER SLEEPING JESTER.....    |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 02-23-51                      | 488392 1424440                   | 294 | AI DAUGHTERS     | 426                   | 7,902                     | 5.1       | 406             |                       |                        |                |                           |         |
| AI STUO, 61-01                | LISTED, 08-63                    | 279 | WITH HERD-MATES  | 398                   | 7,923                     | 5.1       | 407             | 14                    | 8,038                  | 409            | 7,813                     | 411     |
| STATES- 21,23,31,33,42,43,52, |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 115-                   | 2-             |                           |         |
| 56,58,61,63,64,65,73,74,86    |                                  | 39  | NDN-AI DAUGHTERS | 118                   | 8,520                     | 5.1       | 438             |                       |                        |                |                           |         |
|                               |                                  | 34  | WITH HERD-MATES  | 111                   | 8,835                     | 5.1       | 453             | 13                    | 8,508                  | 435            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 327                    | 18             |                           |         |
| 534755                        | BRIGHAM VOLUNTEER HALLAM.....    |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 04-04-51                      | 454316 1447844                   | 89  | AI DAUGHTERS     | 148                   | 8,807                     | 5.1       | 449             |                       |                        |                |                           |         |
| AI STUO, 52-01                | LISTED, 08-63                    | 87  | WITH HERD-MATES  | 142                   | 8,808                     | 5.1       | 451             | 23                    | 8,229                  | 426            | 8,442                     | 436     |
| STATES- 51,52                 |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 579                    | 25             |                           |         |
|                               |                                  | 39  | NDN-AI DAUGHTERS | 130                   | 9,625                     | 4.8       | 465             |                       |                        |                |                           |         |
|                               |                                  | 30  | WITH HERD-MATES  | 114                   | 10,016                    | 4.9       | 489             | 20                    | 9,092                  | 470            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 924                    | 19             |                           |         |
| 534758                        | BRIGHAM VOLUNTEER HERALD.....    |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
| 04-18-51                      | 454316 1423940                   | 114 | AI DAUGHTERS     | 206                   | 8,355                     | 5.1       | 430             |                       |                        |                |                           |         |
| AI STUO, 23-05                | LISTED, 08-63                    | 106 | WITH HERD-MATES  | 188                   | 8,451                     | 5.1       | 435             | 10                    | 8,257                  | 434            | 8,114                     | 416     |
| STATES- 23,31,54              |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 194                    | 1              |                           |         |
| 535017                        | .....                            |     |                  |                       |                           |           |                 |                       |                        |                |                           |         |
|                               |                                  | 7   | NDN-AI DAUGHTERS | 7                     | 6,351                     | 4.5       | 284             |                       |                        |                |                           |         |
| STATES- 58                    |                                  | 7   | WITH HERD-MATES  | 7                     | 6,351                     | 4.5       | 284             | 26                    | 7,533                  | 364            |                           |         |
|                               |                                  |     |                  |                       |                           |           |                 | DIFF.                 | 1182-                  | 80-            |                           |         |

## SIRE OF DHIA DAUGHTERS

| JERSEY  |                                   |                  | AV. RECOROS NUMBER | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|---|-----------------------------------|------------------|--------------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 535090  | .....                             |                  |                    |                       |        |             |                 |                    |            |                       |            |
| STATES- 31,32,33  | 5                                 | NON-AI DAUGHTERS | 7                  | 7,896                 | 5.2    | 409         |                 |                    |            |                       |            |
|   | 5                                 | WITH HERD-MATES  | 7                  | 7,896                 | 5.2    | 409         | 11              | 7,783              | 395        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 113                | 14         |                       |            |
| 535660  | BILTMORE PLAYBOY.....             |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 01-03-51 464209 1522091   | 39                                | NON-AI DAUGHTERS | 106                | 8,954                 | 5.0    | 452         |                 |                    |            |                       |            |
| AI STUO, 52-01 LISTED, 08-63  | 31                                | WITH HERD-MATES  | 96                 | 9,252                 | 5.0    | 467         | 15              | 9,490              | 483        |                       |            |
| STATES- 52,55   |                                   |                  |                    |                       |        |             | DIFF.           | 238-               | 16-        |                       |            |
| 537169  | TRISTRAM OBSERVER.....            |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 11-15-50 435991 1449167   | 25                                | NON-AI DAUGHTERS | 49                 | 9,120                 | 5.8    | 528         |                 |                    |            |                       |            |
| AI STUO, 12-03 LISTED, 08-63  | 16                                | WITH HERD-MATES  | 36                 | 9,271                 | 5.8    | 535         | 12              | 9,318              | 504        |                       |            |
| STATES- 11,13,14,16,21,64   |                                   |                  |                    |                       |        |             | DIFF.           | 47-                | 31         |                       |            |
| 538182  | C & H CECIL RAMBLER.....          |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 08-31-51 450389 1626809   | 1                                 | AI DAUGHTERS     | 1                  | 11,630                | 5.3    | 620         |                 |                    |            |                       |            |
| AI STUO, 93-05 LISTED, 08-63  | 1                                 | WITH HERD-MATES  | 1                  | 11,630                | 5.3    | 620         | 40              | 8,897              | 474        | 8,108                 | 424        |
| STATES- 88  |                                   |                  |                    |                       |        |             | DIFF.           | 2733               | 146        |                       |            |
|   | 33                                | NON-AI DAUGHTERS | 81                 | 10,166                | 5.1    | 522         |                 |                    |            |                       |            |
|   | 29                                | WITH HERD-MATES  | 72                 | 10,216                | 5.1    | 520         | 26              | 9,957              | 525        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 259                | 5-         |                       |            |
| 539084  | .....                             |                  |                    |                       |        |             |                 |                    |            |                       |            |
| STATES- 56  | 5                                 | NON-AI DAUGHTERS | 7                  | 8,390                 | 4.7    | 391         |                 |                    |            |                       |            |
|   | 4                                 | WITH HERD-MATES  | 5                  | 8,245                 | 4.7    | 390         | 22              | 8,138              | 402        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 107                | 12-        |                       |            |
| 539649  | APNA VILLA AOVOLSTAND.....        |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 07-10-51 524581 1602564   | 30                                | NON-AI DAUGHTERS | 77                 | 8,397                 | 5.4    | 450         |                 |                    |            |                       |            |
| AI STUO, 72-01 LISTED, 08-63  | 27                                | WITH HERD-MATES  | 74                 | 8,724                 | 5.3    | 466         | 15              | 7,583              | 415        |                       |            |
| STATES- 72  |                                   |                  |                    |                       |        |             | DIFF.           | 1141               | 51         |                       |            |
| 540061  | VOLUNTEER SY8IL 808.....          |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 04-11-51 496363 1542666   | 84                                | AI DAUGHTERS     | 115                | 8,259                 | 5.4    | 445         |                 |                    |            |                       |            |
| AI STUO, 12-03 LISTED, 08-63  | 83                                | WITH HERD-MATES  | 113                | 8,285                 | 5.4    | 446         | 15              | 8,937              | 463        | 7,432                 | 403        |
| STATES- 12,13,14  |                                   |                  |                    |                       |        |             | DIFF.           | 652-               | 17-        |                       |            |
|   | 12                                | NON-AI DAUGHTERS | 22                 | 8,283                 | 5.2    | 431         |                 |                    |            |                       |            |
|   | 9                                 | WITH HERD-MATES  | 17                 | 7,201                 | 5.0    | 358         | 6               | 7,881              | 401        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 680-               | 43-        |                       |            |
| 540688  | .....                             |                  |                    |                       |        |             |                 |                    |            |                       |            |
| STATES- 57,64   | 5                                 | NON-AI DAUGHTERS | 7                  | 6,128                 | 5.2    | 320         |                 |                    |            |                       |            |
|   | 4                                 | WITH HERD-MATES  | 6                  | 6,473                 | 5.3    | 343         | 27              | 6,106              | 307        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 367                | 36         |                       |            |
| 541349  | .....                             |                  |                    |                       |        |             |                 |                    |            |                       |            |
| STATES- 93  | 5                                 | NON-AI DAUGHTERS | 25                 | 9,319                 | 5.8    | 539         |                 |                    |            |                       |            |
|   | 5                                 | WITH HERD-MATES  | 25                 | 9,319                 | 5.8    | 539         | 10              | 9,907              | 528        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 588-               | 11         |                       |            |
| 541439  | .....                             |                  |                    |                       |        |             |                 |                    |            |                       |            |
| STATES- 34  | 7                                 | NON-AI DAUGHTERS | 14                 | 8,846                 | 5.2    | 461         |                 |                    |            |                       |            |
|   | 7                                 | WITH HERD-MATES  | 14                 | 8,846                 | 5.2    | 461         | 10              | 7,413              | 384        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 1433               | 77         |                       |            |
| 541866  | GEM-S DANDY ADVANCER.....         |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 01-07-52 493509 1423802   | 33                                | AI DAUGHTERS     | 33                 | 7,955                 | 5.2    | 412         |                 |                    |            |                       |            |
| AI STUO, 35-75 LISTED, 08-63  | 32                                | WITH HERD-MATES  | 32                 | 7,900                 | 5.2    | 409         | 16              | 7,989              | 404        | 7,852                 | 416        |
| STATES- 12,13,21,23,31,33,35,41,55,58,64,73,82,87,91,92   |                                   |                  |                    |                       |        |             | DIFF.           | 89-                | 5          |                       |            |
|   | 28                                | NON-AI DAUGHTERS | 72                 | 9,707                 | 5.6    | 539         |                 |                    |            |                       |            |
|   | 24                                | WITH HERD-MATES  | 64                 | 9,582                 | 5.6    | 533         | 10              | 8,917              | 477        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 665                | 56         |                       |            |
| 541905  | BRAMPTON 8. P. FARMER.....        |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 05-05-51 010104635 189585   | 4                                 | AI DAUGHTERS     | 4                  | 7,865                 | 4.9    | 387         |                 |                    |            |                       |            |
| AI STUO, 34-01 LISTED, 08-63  | 4                                 | WITH HERD-MATES  | 4                  | 7,865                 | 4.9    | 387         | 10              | 7,776              | 405        | 7,929                 | 408        |
| STATES- 31,34,51,61,65  |                                   |                  |                    |                       |        |             | DIFF.           | 89                 | 18-        |                       |            |
|   | 35                                | NON-AI DAUGHTERS | 65                 | 8,452                 | 5.2    | 443         |                 |                    |            |                       |            |
|   | 18                                | WITH HERD-MATES  | 37                 | 7,988                 | 5.2    | 414         | 15              | 8,914              | 458        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 926-               | 44-        |                       |            |
| 542059  | JUNE VOLUNTEER CORONATOR CAP..... |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 02-02-52 495636 1469969   | 211                               | AI DAUGHTERS     | 419                | 9,143                 | 5.0    | 454         |                 |                    |            |                       |            |
| AI STUO, 92-01 LISTED, 08-63  | 187                               | WITH HERD-MATES  | 375                | 9,244                 | 5.0    | 460         | 17              | 8,815              | 460        | 8,393                 | 418        |
| STATES- 82,91,92  |                                   |                  |                    |                       |        |             | DIFF.           | 429                |            |                       |            |
| 542372  | JESTER 8. NOBLE AIM.....          |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 07-20-51 441200 1364369   | 466                               | AI DAUGHTERS     | 567                | 7,542                 | 5.4    | 406         |                 |                    |            |                       |            |
| AI STUO, 31-01 LISTED, 08-63  | 455                               | WITH HERD-MATES  | 550                | 7,559                 | 5.4    | 408         | 21              | 8,259              | 421        | 7,265                 | 401        |
| STATES- 11,21,23,31,32,33,34,35,41,42,43,46,47,48,51,52,54,55,56,57,58,61,63,65,71,73,74,84,85,86 |                                   |                  |                    |                       |        |             | DIFF.           | 700-               | 13-        |                       |            |
|   | 53                                | NON-AI DAUGHTERS | 151                | 7,900                 | 5.7    | 448         |                 |                    |            |                       |            |
|   | 50                                | WITH HERD-MATES  | 144                | 7,937                 | 5.7    | 449         | 11              | 8,390              | 442        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 453-               | 7          |                       |            |
| 542908  | SIEGFRIED MOOFL DUKE.....         |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 10-10-51 457043 1289906   | 24                                | AI DAUGHTERS     | 43                 | 7,905                 | 5.5    | 434         |                 |                    |            |                       |            |
| AI STUO, 21-01 LISTED, 08-63  | 17                                | WITH HERD-MATES  | 32                 | 8,276                 | 5.5    | 455         | 9               | 8,251              | 430        | 7,944                 | 429        |
| STATES- 13,21   |                                   |                  |                    |                       |        |             | DIFF.           | 25                 | 25         |                       |            |
|   | 7                                 | NON-AI DAUGHTERS | 18                 | 7,976                 | 5.3    | 421         |                 |                    |            |                       |            |
|   | 4                                 | WITH HERD-MATES  | 13                 | 8,027                 | 5.6    | 446         | 7               | 8,633              | 458        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 606-               | 12-        |                       |            |
| 543278  | .....                             |                  |                    |                       |        |             |                 |                    |            |                       |            |
| STATES- 46  | 7                                 | NON-AI DAUGHTERS | 7                  | 9,329                 | 5.9    | 549         |                 |                    |            |                       |            |
|   | 5                                 | WITH HERD-MATES  | 5                  | 10,110                | 5.8    | 585         | 6               | 8,090              | 449        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 2020               | 136        |                       |            |
| 543429  | BLONOE-S GOLDEN LAO JR.....       |                  |                    |                       |        |             |                 |                    |            |                       |            |
| 06-02-51 496820 1487879   | 1                                 | AI DAUGHTERS     | 1                  | 10,700                | 5.4    | 575         |                 |                    |            |                       |            |
| AI STUO, 93-01 LISTED, 08-63  | 1                                 | WITH HERD-MATES  | 1                  | 10,700                | 5.4    | 575         | 17              | 10,645             | 533        | 7,933                 | 417        |
| STATES- 31,32,58,61,93  |                                   |                  |                    |                       |        |             | DIFF.           | 55                 | 42         |                       |            |
|   | 29                                | NON-AI DAUGHTERS | 60                 | 8,641                 | 5.1    | 444         |                 |                    |            |                       |            |
|   | 26                                | WITH HERD-MATES  | 50                 | 8,688                 | 5.1    | 446         | 7               | 9,077              | 460        |                       |            |
|   |                                   |                  |                    |                       |        |             | DIFF.           | 389-               | 14-        |                       |            |



## SIRE OF DAUGHTERS

| JERSEY   | AV. PRODUCTION OF DAU. |            |          |           | ADJ. HERD-MATES AV. |            |           |      | PREDICTED AV. |           |
|--|------------------------|------------|----------|-----------|---------------------|------------|-----------|------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB |      | MILK<br>LB    | FAT<br>LB |
| 544287 SIGNAL WELCME ASTOR.....                  |                        |            |          |           |                     |            |           |      |               |           |
| 09-14-51 419248 1525643 414 AI DAUGHTERS         | 725                    | 9,107      | 5.4      | 489       |                     |            |           |      |               |           |
| AI STUD, 91-01 LISTED, 08-63 384 WITH HERD-MATES | 666                    | 9,087      | 5.4      | 491       |                     |            |           |      |               |           |
| STATES- 43,81,82,91,92                           |                        |            |          |           |                     | 11         | 8,727     | 468  | 8,334         | 440       |
|  |                        |            |          |           |                     | OIFF.      | 360       | 23   |               |           |
| 544401 STANDARD TRISTRAM CHAMPION.....           |                        |            |          |           |                     |            |           |      |               |           |
| 01-07-52 519828 1796085 1 AI DAUGHTERS           | 1                      | 9,450      | 5.5      | 517       |                     |            |           |      |               |           |
| AI STUD, 41-01 LISTED, 08-63 1 WITH HERD-MATES   | 1                      | 9,450      | 5.5      | 517       |                     | 11         | 7,853     | 397  | 8,021         | 421       |
| STATES- 41                                       |                        |            |          |           |                     | OIFF.      | 1597      | 120  |               |           |
|  | 37                     | 8,531      | 5.2      | 444       |                     |            |           |      |               |           |
|  | 35                     | 8,640      | 5.2      | 450       |                     | 13         | 8,093     | 425  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 547       | 25   |               |           |
| 544454 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 8,828      | 5.0      | 444       |                     |            |           |      |               |           |
| STATES- 92                                       | 5                      | 8,500      | 5.2      | 439       |                     | 14         | 8,218     | 400  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 282       | 39   |               |           |
| 544523 DESIGNS OREAMING VICTOR.....              |                        |            |          |           |                     |            |           |      |               |           |
| 11-05-51 489295 1605865 37 AI DAUGHTERS          | 48                     | 8,322      | 5.2      | 434       |                     |            |           |      |               |           |
| AI STUD, 41-01 LISTED, 08-63 33 WITH HERD-MATES  | 41                     | 8,258      | 5.3      | 436       |                     | 10         | 7,873     | 421  | 8,188         | 425       |
| STATES- 41,42,45,46,51                           |                        |            |          |           |                     | OIFF.      | 385       | 15   |               |           |
|  | 13                     | 7,916      | 5.4      | 430       |                     |            |           |      |               |           |
|  | 11                     | 7,554      | 5.5      | 417       |                     | 3          | 7,124     | 381  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 430       | 36   |               |           |
| 544678 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 8,801      | 5.0      | 439       |                     |            |           |      |               |           |
| STATES- 74,85                                    | 4                      | 8,479      | 5.0      | 422       |                     | 17         | 8,674     | 443  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 195-      | 21-  |               |           |
| 544751 JESTER JIM ADVANCER.....                  |                        |            |          |           |                     |            |           |      |               |           |
| 01-01-52 488392 1331355 19 AI DAUGHTERS          | 26                     | 7,954      | 5.1      | 408       |                     |            |           |      |               |           |
| AI STUD, 31-01 LISTED, 08-63 19 WITH HERD-MATES  | 26                     | 7,954      | 5.1      | 408       |                     | 9          | 8,142     | 415  | 7,809         | 409       |
| STATES- 22,23,31,32,35,42                        |                        |            |          |           |                     | OIFF.      | 188-      | 7-   |               |           |
|  | 18                     | 8,721      | 5.1      | 447       |                     |            |           |      |               |           |
|  | 12                     | 7,986      | 5.1      | 409       |                     | 11         | 8,434     | 440  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 448-      | 31-  |               |           |
| 544776 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 7,924      | 4.9      | 385       |                     |            |           |      |               |           |
| STATES- 33                                       | 1                      | 8,350      | 5.0      | 415       |                     | 1          | 8,552     | 452  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 202-      | 37-  |               |           |
| 545035 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 7,506      | 5.3      | 399       |                     |            |           |      |               |           |
| STATES- 32,65                                    | 4                      | 7,230      | 5.3      | 383       |                     | 22         | 8,291     | 415  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 1061-     | 32-  |               |           |
| 545078 GREENBELT-S RDYAL MARY-S KING.....        |                        |            |          |           |                     |            |           |      |               |           |
| 01-01-52 432667 1568973 36 NON-AI DAUGHTERS      | 76                     | 8,821      | 4.9      | 430       |                     |            |           |      |               |           |
| AI STUD, 35-75 LISTED, 08-63 34 WITH HERD-MATES  | 72                     | 8,896      | 4.9      | 435       |                     | 9          | 8,305     | 414  |               |           |
| STATES- 73                                       |                        |            |          |           |                     | OIFF.      | 591       | 21   |               |           |
| 545267 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 5,204      | 5.2      | 269       |                     |            |           |      |               |           |
| STATES- 65                                       | 5                      | 5,204      | 5.2      | 269       |                     | 16         | 5,753     | 283  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 549-      | 14-  |               |           |
| 545381 JERSEY JESTER.....                        |                        |            |          |           |                     |            |           |      |               |           |
| 08-30-51 488392 1726362 64 AI DAUGHTERS          | 78                     | 7,524      | 5.1      | 385       |                     |            |           |      |               |           |
| AI STUD, 63-01 LISTED, 08-63 64 WITH HERD-MATES  | 78                     | 7,524      | 5.1      | 385       |                     | 16         | 7,713     | 386  | 7,734         | 410       |
| STATES- 31,32,34,41,55,57,58, 63                 |                        |            |          |           |                     | OIFF.      | 189-      | 1-   |               |           |
|  | 18                     | 8,039      | 5.2      | 422       |                     |            |           |      |               |           |
|  | 9                      | 8,606      | 5.3      | 459       |                     | 14         | 8,422     | 434  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 184       | 25   |               |           |
| 545654 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 2,700      | 5.6      | 150       |                     |            |           |      |               |           |
| STATES- 73                                       | 5                      | 2,700      | 5.6      | 150       |                     | 7          | 6,005     | 303  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 3305-     | 153- |               |           |
| 545848 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 8,979      | 5.0      | 446       |                     |            |           |      |               |           |
| STATES- 32                                       | 5                      | 8,979      | 5.0      | 446       |                     | 5          | 8,927     | 468  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 52        | 22-  |               |           |
| 546137 BRUCE WESTFIELD CHERRY ND8LE.....         |                        |            |          |           |                     |            |           |      |               |           |
| 05-29-51 460497 1402851 71 AI DAUGHTERS          | 92                     | 9,542      | 5.4      | 515       |                     |            |           |      |               |           |
| AI STUD, 16-04 LISTED, 08-63 68 WITH HERD-MATES  | 89                     | 9,587      | 5.4      | 518       |                     | 12         | 8,710     | 461  | 8,723         | 466       |
| STATES- 11,13,14,16,21                           |                        |            |          |           |                     | OIFF.      | 877       | 57   |               |           |
|  | 12                     | 9,008      | 5.4      | 486       |                     |            |           |      |               |           |
|  | 11                     | 9,012      | 5.4      | 485       |                     | 10         | 8,004     | 424  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 1008      | 61   |               |           |
| 546468 BRIGHAM CONFIDENT IVAN.....               |                        |            |          |           |                     |            |           |      |               |           |
| 09-01-52 470945 1616459 135 AI DAUGHTERS         | 201                    | 8,535      | 5.2      | 448       |                     |            |           |      |               |           |
| AI STUD, 16-04 LISTED, 08-63 116 WITH HERD-MATES | 178                    | 8,482      | 5.3      | 448       |                     | 10         | 8,560     | 456  | 7,898         | 409       |
| STATES- 11,12,13,14,15,16,21                     |                        |            |          |           |                     | OIFF.      | 78-       | 8-   |               |           |
| 546917 8LDNDE ADVANCER 8ART LAO.....             |                        |            |          |           |                     |            |           |      |               |           |
| 09-11-51 469101 1380244 20 AI DAUGHTERS          | 40                     | 7,418      | 5.5      | 407       |                     |            |           |      |               |           |
| AI STUD, 35-02 LISTED, 08-63 20 WITH HERD-MATES  | 40                     | 7,418      | 5.5      | 407       |                     | 12         | 7,802     | 415  | 7,665         | 408       |
| STATES- 35,42                                    |                        |            |          |           |                     | OIFF.      | 384-      | 8-   |               |           |
| 546980 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 5                      | 7,984      | 5.3      | 425       |                     |            |           |      |               |           |
| STATES- 63                                       | 4                      | 8,596      | 5.4      | 462       |                     | 23         | 7,006     | 368  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 1590      | 94   |               |           |
| 547448 .....                                     |                        |            |          |           |                     |            |           |      |               |           |
|  | 7                      | 6,447      | 5.2      | 337       |                     |            |           |      |               |           |
| STATES- 23,31                                    | 7                      | 6,447      | 5.2      | 337       |                     | 11         | 7,468     | 399  |               |           |
|  |                        |            |          |           |                     | OIFF.      | 1021-     | 62-  |               |           |

## SIREs OF DHIA DAUGHTERS

| JERSEY                                  |       |                  | AV. PRODUCTION<br>RECORDS<br>NUMBER | DAU.<br>MILK<br>LB | DF<br>TEST<br>% | AV. ADJ.<br>MILK<br>LB | HERD-MATES<br>FAT<br>LB | AV. PREDICTED<br>MILK<br>LB | AV. FAT<br>LB |
|---|-------|------------------|-------------------------------------|--------------------|-----------------|------------------------|-------------------------|-----------------------------|---------------|
| 548000                                  | ..... |                  |                                     |                    |                 |                        |                         |                             |               |
| STATES- 55                              | 5     | NDN-AI DAUGHTERS | 7                                   | 6,429              | 4.9             | 318                    |                         |                             |               |
|   | 5     | WITH HERD-MATES  | 7                                   | 6,429              | 4.9             | 318                    | 8                       | 6,546                       | 333           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 117-                        | 15-           |
| 548447 SPARKLING SIGNAL.....            |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 10-27-52 468937 1669250                 | 43    | NDN-AI DAUGHTERS | 104                                 | 8,844              | 5.9             | 519                    |                         |                             |               |
| AI STUD, 23-08 LISTED, 08-63            | 40    | WITH HERD-MATES  | 100                                 | 8,910              | 5.9             | 522                    | 12                      | 8,784                       | 489           |
| STATES- 11,12,13                        |       |                  |                                     |                    |                 |                        | DIFF.                   | 126                         | 33            |
| 548990                                  | ..... |                  |                                     |                    |                 |                        |                         |                             |               |
| STATES- 33,61                           | 5     | NDN-AI DAUGHTERS | 6                                   | 8,080              | 5.0             | 407                    |                         |                             |               |
|   | 5     | WITH HERD-MATES  | 6                                   | 8,080              | 5.0             | 407                    | 9                       | 7,222                       | 366           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 858                         | 41            |
| 549122 MISTER JESTER PINN.....          |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 02-27-52 521974 1448741                 | 30    | AI DAUGHTERS     | 30                                  | 7,994              | 5.1             | 408                    |                         |                             |               |
| AI STUD, 31-01 LISTED, 08-63            | 30    | WITH HERD-MATES  | 30                                  | 7,994              | 5.1             | 408                    | 18                      | 8,122                       | 421           |
| STATES- 21,23,31,32,33,34,41,           |       |                  |                                     |                    |                 |                        | DIFF.                   | 128-                        | 13-           |
| 55,57,65,74                             | 98    | NDN-AI DAUGHTERS | 161                                 | 8,507              | 5.2             | 440                    |                         |                             | 7,834         |
|   | 96    | WITH HERD-MATES  | 156                                 | 8,535              | 5.1             | 439                    | 41                      | 8,418                       | 428           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 117                         | 11            |
| 549126 TRISTRAM CHAMPION REPEAT.....    |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 06-07-52 519828 1223303                 | 1     | AI DAUGHTERS     | 1                                   | 8,460              | 5.9             | 495                    |                         |                             |               |
| AI STUD, 31-02 LISTED, 08-63            | 1     | WITH HERD-MATES  | 1                                   | 8,460              | 5.9             | 495                    | 5                       | 6,992                       | 363           |
| STATES- 31,91                           |       |                  |                                     |                    |                 |                        | DIFF.                   | 1468                        | 132           |
|   | 34    | NDN-AI DAUGHTERS | 69                                  | 9,945              | 5.7             | 562                    |                         |                             | 8,006         |
|   | 33    | WITH HERD-MATES  | 63                                  | 9,741              | 5.7             | 556                    | 6                       | 9,204                       | 504           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 537                         | 52            |
| 549449 SPARKLING VINNIE-S NDBLE.....    |       |                  |                                     |                    |                 |                        |                         |                             |               |
| D9-19-52 506659 155969D                 | 68    | AI DAUGHTERS     | 130                                 | 7,623              | 5.4             | 412                    |                         |                             |               |
| AI STUD, 23-04 LISTED, 08-63            | 59    | WITH HERD-MATES  | 120                                 | 7,727              | 5.4             | 420                    | 11                      | 7,958                       | 424           |
| STATES- 23                              |       |                  |                                     |                    |                 |                        | DIFF.                   | 231-                        | 4-            |
| 549809 BRIGHAM CONFIDENT INFRED.....    |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 12-11-52 470945 1710DD1                 | 29    | AI DAUGHTERS     | 33                                  | 9,794              | 4.7             | 459                    |                         |                             |               |
| AI STUD, 63-02 LISTED, 08-63            | 28    | WITH HERD-MATES  | 32                                  | 9,728              | 4.7             | 457                    | 22                      | 8,200                       | 420           |
| STATES- 57,63                           |       |                  |                                     |                    |                 |                        | DIFF.                   | 1528                        | 37            |
|   | 30    | NDN-AI DAUGHTERS | 83                                  | 10,469             | 4.9             | 516                    |                         |                             | 9,000         |
|   | 27    | WITH HERD-MATES  | 76                                  | 10,504             | 4.9             | 518                    | 30                      | 9,908                       | 491           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 596                         | 27            |
| 550018 DANDY STANDARD CDMET.....        |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 09-04-52 524982 156362D                 | 9     | AI DAUGHTERS     | 9                                   | 6,442              | 5.7             | 366                    |                         |                             |               |
| AI STUD, 42-02 LISTED, 08-63            | 9     | WITH HERD-MATES  | 9                                   | 6,442              | 5.7             | 366                    | 6                       | 7,185                       | 389           |
| STATES- 42                              |       |                  |                                     |                    |                 |                        | DIFF.                   | 743-                        | 23-           |
|   | 14    | NDN-AI DAUGHTERS | 26                                  | 7,124              | 5.7             | 403                    |                         |                             | 7,568         |
|   | 13    | WITH HERD-MATES  | 20                                  | 7,172              | 5.6             | 403                    | 3                       | 7,712                       | 420           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 540-                        | 17-           |
| 550028 SPARKLE SIR.....                 |       |                  |                                     |                    |                 |                        |                         |                             |               |
| D5-22-52 473256 1325229                 | 18    | AI DAUGHTERS     | 18                                  | 8,357              | 5.0             | 417                    |                         |                             |               |
| AI STUD, 31-01 LISTED, 08-63            | 17    | WITH HERD-MATES  | 17                                  | 8,382              | 5.0             | 417                    | 25                      | 8,189                       | 415           |
| STATES- 31,57,58,74                     |       |                  |                                     |                    |                 |                        | DIFF.                   | 193                         | 2             |
|   | 29    | NDN-AI DAUGHTERS | 67                                  | 8,192              | 5.3             | 432                    |                         |                             | 8,038         |
|   | 20    | WITH HERD-MATES  | 52                                  | 8,313              | 5.3             | 444                    | 6                       | 7,985                       | 439           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 328                         | 5             |
| 550331 MARLU COMMANDO MILKMAN.....      |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 08-09-52 457631 1447061                 | 2     | AI DAUGHTERS     | 2                                   | 7,565              | 4.9             | 368                    |                         |                             |               |
| AI STUD, 33-03 LISTED, 08-63            | 1     | WITH HERD-MATES  | 1                                   | 6,190              | 4.6             | 286                    | 5                       | 6,067                       | 319           |
| STATES- 14,21,22,23,32,35,41,           |       |                  |                                     |                    |                 |                        | DIFF.                   | 123                         | 33-           |
| 55,63,65,71,85                          | 16    | NDN-AI DAUGHTERS | 29                                  | 8,957              | 5.5             | 490                    |                         |                             | 7,906         |
|   | 16    | WITH HERD-MATES  | 29                                  | 8,957              | 5.5             | 490                    | 18                      | 8,851                       | 459           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 106                         | 31            |
| 550782 BILTMORE SIGNAL HERD.....        |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 10-19-52 419567 1402198                 | 43    | AI DAUGHTERS     | 79                                  | 8,197              | 5.1             | 414                    |                         |                             |               |
| AI STUD, 63-01 LISTED, 08-63            | 40    | WITH HERD-MATES  | 76                                  | 8,097              | 5.1             | 410                    | 11                      | 7,912                       | 398           |
| STATES- 63,84                           |       |                  |                                     |                    |                 |                        | DIFF.                   | 185                         | 12            |
| 551139 STANDARD VOLUNTEER ALBERT.....   |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 12-17-52 484859 1478745                 | 12    | NDN-AI DAUGHTERS | 18                                  | 11,356             | 5.4             | 615                    |                         |                             |               |
| AI STUD, 93-10 LISTED, 08-63            | 9     | WITH HERD-MATES  | 15                                  | 11,239             | 5.5             | 614                    | 4                       | 10,067                      | 557           |
| STATES- 91,92                           |       |                  |                                     |                    |                 |                        | DIFF.                   | 1172                        | 57            |
| 551267 PINN COMMANDO.....               |       |                  |                                     |                    |                 |                        |                         |                             |               |
| 08-24-52 519111 1471259                 | 9     | AI DAUGHTERS     | 9                                   | 6,226              | 5.0             | 314                    |                         |                             |               |
| AI STUD, 48-01 LISTED, 08-63            | 8     | WITH HERD-MATES  | 8                                   | 6,124              | 5.2             | 319                    | 14                      | 7,882                       | 415           |
| STATES- 23,48                           |       |                  |                                     |                    |                 |                        | DIFF.                   | 1758-                       | 96-           |
|   | 11    | NDN-AI DAUGHTERS | 37                                  | 9,480              | 5.7             | 536                    |                         |                             | 7,206         |
|   | 10    | WITH HERD-MATES  | 35                                  | 9,501              | 5.7             | 540                    | 7                       | 9,827                       | 545           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 326-                        | 5-            |
| 551476 BILTMORE SIGNAL IVY SIR.....     |       |                  |                                     |                    |                 |                        |                         |                             |               |
| D8-D6-52 419567 1582695                 | 26    | AI DAUGHTERS     | 33                                  | 7,843              | 5.3             | 418                    |                         |                             |               |
| AI STUD, 52-01 LISTED, 08-63            | 26    | WITH HERD-MATES  | 33                                  | 7,843              | 5.3             | 418                    | 24                      | 7,842                       | 409           |
| STATES- 52                              |       |                  |                                     |                    |                 |                        | DIFF.                   | 1                           | 9             |
|   | 22    | NDN-AI DAUGHTERS | 70                                  | 7,775              | 5.3             | 413                    |                         |                             | 7,906         |
|   | 15    | WITH HERD-MATES  | 58                                  | 7,974              | 5.4             | 429                    | 29                      | 8,328                       | 438           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 354-                        | 9-            |
| 551481                                  | ..... |                  |                                     |                    |                 |                        |                         |                             |               |
| STATES- 55,65                           | 5     | NDN-AI DAUGHTERS | 5                                   | 6,878              | 5.4             | 368                    |                         |                             |               |
|   | 5     | WITH HERD-MATES  | 5                                   | 6,878              | 5.4             | 368                    | 58                      | 7,364                       | 368           |
|   |       |                  |                                     |                    |                 |                        | DIFF.                   | 486-                        |               |
| 552060 MARLU COMMANDO FAVORITE GEM..... |       |                  |                                     |                    |                 |                        |                         |                             |               |
| D9-17-52 45763 1631365                  | 48    | AI DAUGHTERS     | 79                                  | 7,471              | 5.6             | 415                    |                         |                             |               |
| AI STUD, 35-02 LISTED, 08-63            | 42    | WITH HERD-MATES  | 71                                  | 7,427              | 5.6             | 418                    | 9                       | 7,955                       | 421           |
| STATES- 34,35,42                        |       |                  |                                     |                    |                 |                        | DIFF.                   | 528-                        | 3-            |

## SIREs OF OHIA DAUGHTERS

| JERSEY   |                                      |         | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV.    |
|--|--------------------------------------|---------|------------------------|---------------------|----------------------|
|  |                                      | RECORDS | MILK TEST FAT          | MILK FAT            | MILK FAT             |
|  |                                      | NUMBER  | L8 % L8                | L8 L8               | L8 L8                |
| 52711  | .....                                |         |                        |                     |                      |
| STATES- 35,92  | 5 NDN-AI DAUGHTERS                   | 6       | 7,821 5.4 424          |                     |                      |
|  | 5 WITH HERD-MATES                    | 6       | 7,821 5.4 424          | 15 DIFF.            | 9,274 484 60-        |
| 552844   | SIBLEY-S DESIGN FOUR THOUSAND.....   |         |                        |                     |                      |
| 01-12-53 528281 1427169  | 82 AI DAUGHTERS                      | 155     | 8,986 5.2 469          |                     |                      |
| AI STUD, 16-04 LISTED, 08-63   | 75 WITH HERD-MATES                   | 140     | 9,016 5.2 472          | 11 DIFF.            | 8,622 462 8,310 426  |
| STATES- 11,13,14,16,21   |                                      |         |                        |                     |                      |
|  | 10 NDN-AI DAUGHTERS                  | 30      | 9,689 5.2 506          |                     |                      |
|  | 7 WITH HERD-MATES                    | 22      | 10,029 5.2 518         | 16 DIFF.            | 9,565 503 15         |
| 552974   | MARLEE COMMANDO PATTERN.....         |         |                        |                     |                      |
| 05-01-52 457631 1541985  | 151 AI DAUGHTERS                     | 160     | 7,324 5.5 406          |                     |                      |
| AI STUD, 33-03 LISTED, 08-63   | 144 WITH HERD-MATES                  | 152     | 7,287 5.6 405          | 15 DIFF.            | 8,046 420 7,225 400  |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,35,41,42,43,47, 51,52,55,58,61,63,65,71,73,82, 84,86,87,91,92 | 33 NDN-AI DAUGHTERS                  | 88      | 7,909 5.6 444          |                     |                      |
|  | 31 WITH HERD-MATES                   | 86      | 7,916 5.6 445          | 15 DIFF.            | 8,951 465 1035- 20-  |
| 553245   | GIPSY TYCOON OF SYNDICATE FARM.....  |         |                        |                     |                      |
| 05-14-52 460788 1390691  | 36 NDN-AI DAUGHTERS                  | 99      | 9,976 5.1 511          |                     |                      |
| AI STUD, 35-75 LISTED, 08-63   | 31 WITH HERD-MATES                   | 92      | 10,468 5.1 531         | 18 DIFF.            | 10,108 514 17        |
| STATES- 13,21,55   |                                      |         |                        |                     |                      |
| 554001   | GORGEOUS LAOS BLONDE.....            |         |                        |                     |                      |
| 07-02-52 469101 1380244  | 52 AI DAUGHTERS                      | 64      | 7,496 5.1 385          |                     |                      |
| AI STUD, 33-03 LISTED, 08-63   | 49 WITH HERD-MATES                   | 59      | 7,558 5.1 389          | 11 DIFF.            | 8,385 441 7,286 374  |
| STATES- 13,14,16,23,31,32,33, 35,42,51,52,74,82,88,91,92   | 8 NDN-AI DAUGHTERS                   | 16      | 7,031 5.3 370          |                     |                      |
|  | 8 WITH HERD-MATES                    | 16      | 7,031 5.3 370          | 10 DIFF.            | 7,872 423 841- 53-   |
| 554146   | PRDMOTER LILAC CHALLENGER.....       |         |                        |                     |                      |
| 03-03-53 516627 1811938  | 52 AI DAUGHTERS                      | 53      | 7,692 5.0 387          |                     |                      |
| AI STUD, 35-75 LISTED, 08-63   | 52 WITH HERD-MATES                   | 52      | 7,647 5.0 385          | 27 DIFF.            | 8,031 412 7,609 391  |
| STATES- 13,21,22,23,32,34,42, 46,48,55,58,64,65  | 16 NDN-AI DAUGHTERS                  | 35      | 8,437 5.1 427          |                     |                      |
|  | 14 WITH HERD-MATES                   | 33      | 8,439 5.0 425          | 7 DIFF.             | 8,302 434 137 9-     |
| 554190   | COMMANDO DOTTRINA-S ADVANCER.....    |         |                        |                     |                      |
| 01-10-53 538484 1769548  | 5 NDN-AI DAUGHTERS                   | 7       | 8,424 5.0 417          |                     |                      |
| AI STUD, 72-01 LISTED, 08-63   | 4 WITH HERD-MATES                    | 6       | 8,578 5.1 438          | 13 DIFF.            | 8,229 403 349 35     |
| STATES- 31,71,74   |                                      |         |                        |                     |                      |
| 554426   | HI RANGE JESTER SONNY ADVANCER.....  |         |                        |                     |                      |
| 04-17-53 510917 1522118  | 24 NDN-AI DAUGHTERS                  | 60      | 7,892 5.3 422          |                     |                      |
| AI STUD, 63-01 LISTED, 08-63   | 23 WITH HERD-MATES                   | 59      | 7,850 5.3 415          | 12 DIFF.            | 8,405 436 555- 21-   |
| STATES- 63   |                                      |         |                        |                     |                      |
| 554464   | .....                                |         |                        |                     |                      |
| STATES- 12   | 5 NDN-AI DAUGHTERS                   | 7       | 8,448 5.1 432          |                     |                      |
|  | 5 WITH HERD-MATES                    | 7       | 8,448 5.1 432          | 5 DIFF.             | 8,765 458 317- 26-   |
| 554570   | ILLINOIS CENTRAL BELMONT BEACON..... |         |                        |                     |                      |
| 09-03-52 010120614 010176620   | 34 AI DAUGHTERS                      | 63      | 7,461 4.9 368          |                     |                      |
| AI STUD, 63-03 LISTED, 08-63   | 31 WITH HERD-MATES                   | 57      | 7,477 4.9 367          | 15 DIFF.            | 7,468 379 9 12-      |
| STATES- 61,63,64   |                                      |         |                        |                     | 7,885 402            |
| 554759   | JESTER BASIL ENA DANDY.....          |         |                        |                     |                      |
| 06-23-53 448354 1491520  | 63 AI DAUGHTERS                      | 78      | 7,313 5.2 377          |                     |                      |
| AI STUD, 33-03 LISTED, 08-63   | 59 WITH HERD-MATES                   | 73      | 7,368 5.1 379          | 15 DIFF.            | 7,975 414 607- 35-   |
| STATES- 11,13,14,16,21,23,32, 33,34,35,41,42,43,48,54,61,63, 64,73,74,84,87,91,92                          | 12 NDN-AI DAUGHTERS                  | 33      | 7,937 5.2 410          |                     |                      |
|  | 11 WITH HERD-MATES                   | 31      | 7,851 5.2 405          | 11 DIFF.            | 8,270 416 419- 11-   |
| 554842   | MARLU COMMANDO BLONDE STAR.....      |         |                        |                     |                      |
| 04-16-53 457631 1539106  | 48 AI DAUGHTERS                      | 108     | 8,380 5.3 448          |                     |                      |
| AI STUD, 23-04 LISTED, 08-63   | 44 WITH HERD-MATES                   | 103     | 8,274 5.4 446          | 13 DIFF.            | 8,039 431 235 15     |
| STATES- 21,23  |                                      |         |                        |                     | 8,103 426            |
| 554902   | RADAR BELLE BEACON.....              |         |                        |                     |                      |
| 02-18-53 010120614 010203472   | 42 NDN-AI DAUGHTERS                  | 94      | 8,433 5.4 458          |                     |                      |
| AI STUD, 35-02 LISTED, 08-63   | 37 WITH HERD-MATES                   | 89      | 8,731 5.5 478          | 10 DIFF.            | 8,936 478 205-       |
| STATES- 33,34,35,64,74   |                                      |         |                        |                     |                      |
| 555157   | TRISTANDARD LORD BASIL.....          |         |                        |                     |                      |
| 10-28-53 435991 1606219  | 21 NDN-AI DAUGHTERS                  | 22      | 10,412 5.7 594         |                     |                      |
| AI STUD, 93-10 LISTED, 08-63   | 14 WITH HERD-MATES                   | 15      | 9,984 5.7 574          | 7 DIFF.             | 10,105 536 121- 38   |
| STATES- 91,92  |                                      |         |                        |                     |                      |
| 555218   | .....                                |         |                        |                     |                      |
| STATES- 93   | 5 NDN-AI DAUGHTERS                   | 5       | 9,120 5.8 531          |                     |                      |
|  | 5 WITH HERD-MATES                    | 5       | 9,120 5.8 531          | 37 DIFF.            | 10,514 559 1394- 28- |
| 555537   | .....                                |         |                        |                     |                      |
| STATES- 63   | 5 NDN-AI DAUGHTERS                   | 9       | 6,417 5.3 338          |                     |                      |
|  | 5 WITH HERD-MATES                    | 9       | 6,417 5.3 338          | 9 DIFF.             | 6,375 319 42 19      |
| 555597   | BELMONT ROYAL AIM.....               |         |                        |                     |                      |
| 10-25-52 526995 1891348  | 7 AI DAUGHTERS                       | 8       | 7,605 5.1 387          |                     |                      |
| AI STUD, 41-01 LISTED, 08-63   | 6 WITH HERD-MATES                    | 6       | 8,063 5.1 415          | 15 DIFF.            | 7,797 400 266 15     |
| STATES- 32,41,42,45  |                                      |         |                        |                     | 7,994 418            |
|  | 22 NDN-AI DAUGHTERS                  | 55      | 8,490 5.4 459          |                     |                      |
|  | 16 WITH HERD-MATES                   | 46      | 8,013 5.5 443          | 6 DIFF.             | 7,974 435 39 8       |



## SIRE OF DHIA DAUGHTERS

| JERSEY                                    |                              |     | AV. PRODUCTION OF DAU. | AV. HERD-MATES | AV. PREDICTED |
|---|------------------------------|-----|------------------------|----------------|---------------|
|   |                              |     | RECORDS MILK TEST FAT  | AV. MILK FAT   | MILK FAT      |
|   |                              |     | NUMBER LB % LB         | NUMBER LB LB   | LB LB         |
| 555866                                    | .....                        |     |                        |                |               |
| STATES- 74                                | 5 NON-AI DAUGHTERS           | 8   | 5,328 5.6 300          |                |               |
|   | 4 WITH HERD-MATES            | 7   | 5,178 5.6 290          | 37             | 4,823 256     |
|   |                              |     |                        | DIFF.          | 355 34        |
| 556033                                    | .....                        |     |                        |                |               |
| STATES- 42,46                             | 5 NDN-AI DAUGHTERS           | 7   | 6,832 5.7 391          |                |               |
|   | 5 WITH HERD-MATES            | 7   | 6,832 5.7 391          | 5              | 6,591 339     |
|   |                              |     |                        | OIFF.          | 241 52        |
| 556063                                    | SABLE-S COMMANDD.....        |     |                        |                |               |
| 10-20-53 457631 1556824                   | 25 NDN-AI DAUGHTERS          | 47  | 12,327 6.2 770         |                |               |
| AI STUD, 34-01 LISTED, 08-63              | 23 WITH HERD-MATES           | 44  | 12,358 6.2 764         | 13             | 11,304 644    |
| STATES- 14,35,52,74,85                    |                              |     |                        | DIFF.          | 1054 120      |
| 556065                                    | BEACON-S R. SDN DF JANE..... |     |                        |                |               |
| D8-23-53 499417 1634414                   | 6 AI DAUGHTERS               | 6   | 7,163 5.0 361          |                |               |
| AI STUD, 34-01 LISTED, D8-63              | 6 WITH HERD-MATES            | 6   | 7,163 5.0 361          | 8              | 7,970 425     |
| STATES- 34,64                             |                              |     |                        | OIFF.          | 807- 64-      |
|   | 57 NDN-AI DAUGHTERS          | 133 | 7,859 5.3 414          |                |               |
|   | 57 WITH HERD-MATES           | 133 | 7,859 5.3 414          | 17             | 8,099 424     |
|   |                              |     |                        | DIFF.          | 240- 10-      |
| 556092                                    | MARLU ETTA COMMANDD.....     |     |                        |                |               |
| 07-18-53 457631 1694271                   | 31 NDN-AI DAUGHTERS          | 74  | 8,592 5.1 437          |                |               |
| AI STUD, 31-02 LISTED, 08-63              | 29 WITH HERD-MATES           | 71  | 8,787 5.1 445          | 27             | 8,708 456     |
| STATES- 31,32,35,41,55,58,61, 63,84,92    |                              |     |                        | DIFF.          | 79 11-        |
| 556095                                    | MARLU MILADY-S SUPREME.....  |     |                        |                |               |
| 10-18-53 506147 1858269                   | 298 AI DAUGHTERS             | 489 | 9,418 5.2 493          |                |               |
| AI STUD, 91-01 LISTED, 08-63              | 267 WITH HERD-MATES          | 438 | 9,395 5.2 491          | 13             | 8,738 472     |
| STATES- 81,82,91                          |                              |     |                        | DIFF.          | 657 19        |
| 556242                                    | BRIGHAM ADVANCER JAN.....    |     |                        |                |               |
| 12-01-53 544480 17100DD                   | 27 NDN-AI DAUGHTERS          | 64  | 9,975 5.0 499          |                |               |
| AI STUD, 35-05 LISTED, 08-63              | 27 WITH HERD-MATES           | 62  | 9,934 5.0 495          | 6              | 9,629 481     |
| STATES- 33,48                             |                              |     |                        | DIFF.          | 305 14        |
| 556243                                    | BRIGHAM ADVANCER JUSTIN..... |     |                        |                |               |
| 12-10-53 544480 17400ID                   | 22 NDN-AI DAUGHTERS          | 41  | 9,827 5.5 538          |                |               |
| AI STUD, 35-75 LISTED, 08-63              | 21 WITH HERD-MATES           | 40  | 10,050 5.5 551         | 19             | 10,477 575    |
| STATES- 21                                |                              |     |                        | DIFF.          | 427- 24-      |
| 556313                                    | .....                        |     |                        |                |               |
| STATES- 31                                | 6 NDN-AI DAUGHTERS           | 10  | 5,712 5.0 287          |                |               |
|   | 6 WITH HERD-MATES            | 10  | 5,712 5.0 287          | 16             | 7,218 371     |
|   |                              |     |                        | DIFF.          | 1506- 84-     |
| 556478                                    | .....                        |     |                        |                |               |
| AI STUD, 63-02                            | 1 AI DAUGHTERS               | 1   | 7,160 6.1 438          |                |               |
| STATES- 63,64,74,86                       | 1 WITH HERD-MATES            | 1   | 7,160 6.1 438          | 7              | 7,278 394     |
|   |                              |     |                        | DIFF.          | 118- 44       |
|   | 4 NDN-AI DAUGHTERS           | 6   | 5,644 5.5 308          |                |               |
|   | 3 WITH HERD-MATES            | 5   | 5,266 5.1 270          | 32             | 7,902 402     |
|   |                              |     |                        | DIFF.          | 2636- 132-    |
| 556931                                    | .....                        |     |                        |                |               |
| STATES- 61                                | 6 NDN-AI DAUGHTERS           | 9   | 6,344 5.5 348          |                |               |
|   | 6 WITH HERD-MATES            | 9   | 6,344 5.5 348          | 6              | 7,587 375     |
|   |                              |     |                        | DIFF.          | 1243- 27-     |
| 557033                                    | .....                        |     |                        |                |               |
| STATES- 56                                | 5 NDN-AI DAUGHTERS           | 5   | 6,266 4.3 268          |                |               |
|   | 5 WITH HERD-MATES            | 5   | 6,266 4.3 268          | 50             | 5,924 303     |
|   |                              |     |                        | OIFF.          | 342 35-       |
| 557048                                    | .....                        |     |                        |                |               |
| STATES- 13                                | 9 NDN-AI DAUGHTERS           | 11  | 9,576 5.4 513          |                |               |
|   | 9 WITH HERD-MATES            | 11  | 9,576 5.4 513          | 10             | 8,895 452     |
|   |                              |     |                        | DIFF.          | 681 61        |
| 557682                                    | SECRET WELCOME RELIANCE..... |     |                        |                |               |
| 12-27-53 497574 1556676                   | 28 NDN-AI DAUGHTERS          | 63  | 11,146 5.1 573         |                |               |
| AI STUD, 12-03 LISTED, D8-63              | 28 WITH HERD-MATES           | 63  | 11,146 5.1 573         | 9              | 9,924 520     |
| STATES- 13                                |                              |     |                        | DIFF.          | 1222 53       |
| 557868                                    | THE PATHFINDER.....          |     |                        |                |               |
| 12-D1-53 457631 1821592                   | 33 NDN-AI DAUGHTERS          | 46  | 9,255 5.6 522          |                |               |
| AI STUD, 31-D1 LISTED, D8-63              | 30 WITH HERD-MATES           | 43  | 9,342 5.7 529          | 18             | 9,510 529     |
| STATES- 14,23,31,35,43,52,57, 72,84,91,92 |                              |     |                        | OIFF.          | 168- 47-      |
| 557876                                    | .....                        |     |                        |                |               |
| STATES- 74                                | 5 NDN-AI DAUGHTERS           | 8   | 8,761 4.9 432          |                |               |
|   | 5 WITH HERD-MATES            | 8   | 8,761 4.9 432          | 6              | 7,980 408     |
|   |                              |     |                        | OIFF.          | 781 24        |
| 557926                                    | .....                        |     |                        |                |               |
| STATES- 82                                | 12 NDN-AI DAUGHTERS          | 13  | 7,915 4.8 379          |                |               |
|   | 12 WITH HERD-MATES           | 12  | 7,845 4.8 376          | 6              | 7,650 391     |
|   |                              |     |                        | OIFF.          | 195 15-       |
| 557975                                    | .....                        |     |                        |                |               |
| STATES- 23,58                             | 6 NON-AI DAUGHTERS           | 7   | 8,060 5.3 428          |                |               |
|   | 5 WITH HERD-MATES            | 5   | 7,940 5.3 417          | 22             | 9,023 464     |
|   |                              |     |                        | DIFF.          | 1083- 47-     |
| 558130                                    | .....                        |     |                        |                |               |
| STATES- 48                                | 16 NON-AI DAUGHTERS          | 19  | 6,944 6.1 425          |                |               |
|   | 15 WITH HERD-MATES           | 18  | 7,087 6.1 433          | 9              | 7,400 418     |
|   |                              |     |                        | DIFF.          | 313- 15       |



## SIRE OF OHIA DAUGHTERS

| JERSEY                         |                                  |     | AV. PRODUCTION OF | DAU.   | ADJ. HERD-MATES | AV.    | PREDICTED AV. |
|--------------------------------|----------------------------------|-----|-------------------|--------|-----------------|--------|---------------|
|                                |                                  |     | RECORDS           | FAT    | AV.             | FAT    | MILK          |
|                                |                                  |     | NUMBER            | LB     | NUMBER          | LB     | LB            |
|                                |                                  |     |                   | %      |                 |        |               |
| 560800                         | CORALAO-S OREAM BOY.....         |     |                   |        |                 |        |               |
| 04-30-53                       | 540908 1811928                   | 12  | 34                | 10,566 | 5.8             | 614    |               |
| AI STUO, 35-75                 | LISTEO, 08-63                    | 7   | 26                | 10,919 | 5.9             | 639    |               |
| STATES- 92                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 9               | 10,333 | 594           |
|                                |                                  |     |                   |        | OIFF.           | 586    | 45            |
| 560806                         | COMMANDO ADVANCER JESTERMAN..... |     |                   |        |                 |        |               |
| 03-12-54                       | 457631 1743569                   | 31  | 44                | 7,860  | 5.5             | 429    |               |
| AI STUO, 23-05                 | LISTEO, 08-63                    | 31  | 42                | 7,842  | 5.4             | 427    |               |
| STATES- 21,23,31,51            |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 12              | 8,350  | 434           |
|                                |                                  |     |                   |        | OIFF.           | 508-   | 7-            |
|                                |                                  |     |                   |        | 9               | 8,115  | 428           |
|                                |                                  |     |                   |        | OIFF.           | 775-   | 24-           |
| 560881                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 65                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 7               | 6,773  | 340           |
|                                |                                  |     |                   |        | OIFF.           | 391    | 46            |
| 561158                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 32                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 10              | 7,170  | 365           |
|                                |                                  |     |                   |        | OIFF.           | 315    | 19            |
| 561278                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 31,48,55,57,63         |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 12              | 6,937  | 351           |
|                                |                                  |     |                   |        | OIFF.           | 1476-  | 54-           |
| 561282                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 32,35                  |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 9               | 7,255  | 373           |
|                                |                                  |     |                   |        | OIFF.           | 653    | 34            |
| 561304                         | V. LINDA-S OANOV ADVANCER.....   |     |                   |        |                 |        |               |
| 12-19-53                       | 524581 1562314                   | 111 | 192               | 8,574  | 5.5             | 475    |               |
| AI STUO, 16-04                 | LISTEO, 08-63                    | 104 | 174               | 8,604  | 5.6             | 478    |               |
| STATES- 11,12,13,14,16         |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 11              | 8,533  | 452           |
|                                |                                  |     |                   |        | OIFF.           | 71     | 26            |
| 561338                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 31                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 5               | 8,847  | 485           |
|                                |                                  |     |                   |        | OIFF.           | 59     | 6             |
| 561344                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 64                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 53              | 6,612  | 312           |
|                                |                                  |     |                   |        | OIFF.           | 843-   | 42-           |
| 561387                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 41                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 9               | 7,400  | 407           |
|                                |                                  |     |                   |        | OIFF.           | 234    | 17            |
| 561487                         | BRIGHAM CONFIOENT KELIAN.....    |     |                   |        |                 |        |               |
| 09-20-54                       | 470945 1594635                   | 59  | 99                | 8,213  | 5.3             | 435    |               |
| AI STUO, 33-03                 | LISTEO, 08-63                    | 56  | 92                | 8,323  | 5.3             | 441    |               |
| STATES- 12,13,14,21,22,23,31,  |                                  |     |                   |        |                 |        |               |
| 32,33,34,35,41,42,47,48,54,82, |                                  |     |                   |        |                 |        |               |
| 88,93                          |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 15              | 8,325  | 434           |
|                                |                                  |     |                   |        | OIFF.           | 2-     | 7             |
| 561488                         | BRIGHAM ADVANCER KEGAN.....      |     |                   |        |                 |        |               |
| 11-03-54                       | 544480 1506153                   | 38  | 49                | 7,569  | 5.5             | 420    |               |
| AI STUO, 33-03                 | LISTEO, 08-63                    | 34  | 41                | 7,673  | 5.6             | 427    |               |
| STATES- 13,14,21,23,31,32,34,  |                                  |     |                   |        |                 |        |               |
| 35,43,51,61,82,91,92           |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 16              | 8,354  | 441           |
|                                |                                  |     |                   |        | OIFF.           | 681-   | 14-           |
| 561498                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 57                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 57              | 8,038  | 428           |
|                                |                                  |     |                   |        | OIFF.           | 66-    | 31            |
| 561500                         | COMMANDO STANOARO IVY SIR.....   |     |                   |        |                 |        |               |
| 09-18-54                       | 457631 1505315                   | 13  | 13                | 8,159  | 5.3             | 436    |               |
| AI STUO, 33-03                 | LISTEO, 08-63                    | 13  | 13                | 8,159  | 5.3             | 436    |               |
| STATES- 13,16,21,23,32,33,42,  |                                  |     |                   |        |                 |        |               |
| 43,61,73,82,84,92              |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 11              | 8,584  | 453           |
|                                |                                  |     |                   |        | OIFF.           | 425-   | 17-           |
|                                |                                  |     |                   |        | 13              | 8,736  | 460           |
|                                |                                  |     |                   |        | OIFF.           | 276    | 18            |
| 561699                         | VICTORY LAO-S PERFECTION.....    |     |                   |        |                 |        |               |
| 06-17-54                       | 473215 1478430                   | 19  | 37                | 9,892  | 5.0             | 491    |               |
| AI STUO, 31-01                 | LISTEO, 08-63                    | 19  | 37                | 9,892  | 5.0             | 491    |               |
| STATES- 23,31                  |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 11              | 8,962  | 472           |
|                                |                                  |     |                   |        | OIFF.           | 930    | 19            |
| 562219                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 61                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 12              | 5,964  | 293           |
|                                |                                  |     |                   |        | OIFF.           | 1239   | 59            |
| 562259                         | SPARKLING JULIUS.....            |     |                   |        |                 |        |               |
| 04-23-53                       | 452066 1796086                   | 56  | 72                | 9,647  | 5.2             | 499    |               |
| AI STUO, 87-01                 | LISTEO, 08-63                    | 51  | 64                | 9,792  | 5.2             | 510    |               |
| STATES- 23,43,72,82,86,87,92   |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 10              | 8,626  | 446           |
|                                |                                  |     |                   |        | OIFF.           | 1166   | 64            |
|                                |                                  |     |                   |        | 19              | 9,467  | 522           |
|                                |                                  |     |                   |        | OIFF.           | 968    | 63            |
| 562315                         | SURVILLE HARVEST PRIOR.....      |     |                   |        |                 |        |               |
| 11-09-54                       | 503523 1760788                   | 94  | 161               | 8,294  | 5.3             | 436    |               |
| AI STUO, 31-02                 | LISTEO, 08-63                    | 93  | 159               | 8,286  | 5.3             | 436    |               |
| STATES- 22,23,31,32,43         |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 11              | 8,081  | 420           |
|                                |                                  |     |                   |        | OIFF.           | 205    | 16            |
| 562528                         | .....                            |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        |                 |        |               |
| STATES- 92                     |                                  |     |                   |        |                 |        |               |
|                                |                                  |     |                   |        | 28              | 8,608  | 443           |
|                                |                                  |     |                   |        | OIFF.           | 1213-  | 79-           |



| SIRE OF DAUGHTERS |  |         |     |                  | AV. RECORDS | PRODUCTION MILK LBS | TEST % | DAU. FAT LBS | ADJ. AV. NUMBER | HERD-MATES MILK LBS | AV. FAT LBS | PREDICTED MILK LBS | AV. FAT LBS |
|-------------------|--|---------|-----|------------------|-------------|---------------------|--------|--------------|-----------------|---------------------|-------------|--------------------|-------------|
| JERSEY            |  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| 562571            | SECRET WELCOME MAGICIAN.....   |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D1-22-55          | 497574   | 1524579 | 34  | NON-AI DAUGHTERS | 82          | 10,150              | 5.3    | 538          |                 |                     |             |                    |             |
| AI STUD, 23-08    | LISTED, 08-63  |         | 34  | WITH HERD-MATES  | 82          | 10,150              | 5.3    | 538          | 15              | 10,196              | 543         |                    |             |
| STATES-           | 16,21,22   |         |     |                  |             |                     |        |              | DIFF.           | 46-                 | 5-          |                    |             |
| 562888            | BEACON BAS QUEENS BEAU.....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D2-19-55          | 559928   | 2038735 | 17  | NON-AI DAUGHTERS | 24          | 9,327               | 5.0    | 464          |                 |                     |             |                    |             |
| AI STUD, 63-01    | LISTED, 08-63  |         | 17  | WITH HERD-MATES  | 24          | 9,327               | 5.0    | 464          | 14              | 9,571               | 463         |                    |             |
| STATES-           | 57,63  |         |     |                  |             |                     |        |              | DIFF.           | 244-                | 1           |                    |             |
| 562913            | IMP. HOPEFUL DREAMER.....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| 07-18-54          | 8513   | 2038809 | 18  | NON-AI DAUGHTERS | 51          | 8,352               | 5.2    | 436          |                 |                     |             |                    |             |
| AI STUD, 41-25    | LISTED, 08-63  |         | 17  | WITH HERD-MATES  | 49          | 8,315               | 5.3    | 438          | 11              | 8,521               | 454         |                    |             |
| STATES-           | 42,48  |         |     |                  |             |                     |        |              | DIFF.           | 206-                | 16-         |                    |             |
| 562967            | JEANS ROYAL ECHO CHOR-LYNN.....                                      |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D9-24-54          | 498154   | 2018617 | 28  | NON-AI DAUGHTERS | 43          | 12,560              | 5.0    | 634          |                 |                     |             |                    |             |
| AI STUD, 93-01    | LISTED, 08-63  |         | 27  | WITH HERD-MATES  | 42          | 12,641              | 5.0    | 637          | 20              | 10,887              | 565         |                    |             |
| STATES-           | 93   |         |     |                  |             |                     |        |              | DIFF.           | 1754                | 72          |                    |             |
| 563212            | TRISTRAM OBSERVER SIGNAL.....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| 10-29-54          | 435991   | 1606219 | 23  | AI DAUGHTERS     | 36          | 7,247               | 5.3    | 381          |                 |                     |             |                    |             |
| AI STUD, 63-02    | LISTED, 08-63  |         | 21  | WITH HERD-MATES  | 34          | 7,259               | 5.3    | 382          | 12              | 7,830               | 394         | 7,545              | 404         |
| STATES-           | 61,63,64   |         |     |                  |             |                     |        |              | DIFF.           | 571-                | 12-         |                    |             |
|                   |  |         | 3   | NON-AI DAUGHTERS | 3           | 9,643               | 5.2    | 506          |                 |                     |             |                    |             |
|                   |  |         | 3   | WITH HERD-MATES  | 3           | 9,643               | 5.2    | 506          | 12              | 8,547               | 430         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 1096                | 76          |                    |             |
| 563235            | .....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| STATES-           | 57,58,64   |         | 5   | NON-AI DAUGHTERS | 9           | 7,904               | 5.1    | 401          |                 |                     |             |                    |             |
|                   |  |         | 5   | WITH HERD-MATES  | 9           | 7,904               | 5.1    | 401          | 31              | 6,507               | 322         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 1397                | 79          |                    |             |
| 563278            | ADVANCERS CONTRIBUTION.....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| 09-08-54          | 550331   | 1390835 | 71  | AI DAUGHTERS     | 94          | 7,681               | 5.2    | 399          |                 |                     |             |                    |             |
| AI STUD, 51-02    | LISTED, 08-63  |         | 66  | WITH HERD-MATES  | 88          | 7,645               | 5.2    | 399          | 12              | 7,292               | 376         | 8,154              | 429         |
| STATES-           | 21,31,42,50,51,54,56,58  |         |     |                  |             |                     |        |              | DIFF.           | 353                 | 23          |                    |             |
|                   |  |         | 6   | NON-AI DAUGHTERS | 10          | 7,339               | 5.5    | 403          |                 |                     |             |                    |             |
|                   |  |         | 6   | WITH HERD-MATES  | 10          | 7,339               | 5.5    | 403          | 15              | 8,006               | 417         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 667-                | 14-         |                    |             |
| 563414            | BRUCE ECLIPSE ADALARD.....   |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D9-25-53          | 460497   | 1709950 | 24  | AI DAUGHTERS     | 47          | 7,931               | 5.3    | 419          |                 |                     |             |                    |             |
| AI STUD, 21-01    | LISTED, 08-63  |         | 23  | WITH HERD-MATES  | 43          | 7,832               | 5.3    | 412          | 10              | 8,045               | 417         | 7,780              | 410         |
| STATES-           | 13,21  |         |     |                  |             |                     |        |              | DIFF.           | 213-                | 5-          |                    |             |
|                   |  |         | 1   | NON-AI DAUGHTERS | 1           | 8,410               | 5.3    | 442          |                 |                     |             |                    |             |
|                   |  |         | 1   | WITH HERD-MATES  | 1           | 8,410               | 5.3    | 442          | 10              | 7,818               | 407         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 592                 | 35          |                    |             |
| 563658            | FAVORITE MARLU ADVANCER.....   |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D9-29-54          | 457631   | 1726380 | 129 | AI DAUGHTERS     | 159         | 7,891               | 5.6    | 440          |                 |                     |             |                    |             |
| AI STUD, 21-01    | LISTED, 08-63  |         | 124 | WITH HERD-MATES  | 153         | 7,855               | 5.6    | 439          | 13              | 8,375               | 438         | 7,479              | 416         |
| STATES-           | 13,14,21,23,31   |         |     |                  |             |                     |        |              | DIFF.           | 520-                | 1           |                    |             |
|                   |  |         | 2   | NON-AI DAUGHTERS | 2           | 7,460               | 5.2    | 390          |                 |                     |             |                    |             |
| 563805            | MARLU MILESTONE.....   |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| 08-23-54          | 506147   | 1726368 | 49  | NON-AI DAUGHTERS | 76          | 9,821               | 5.5    | 540          |                 |                     |             |                    |             |
| AI STUD, 33-03    | LISTED, 08-63  |         | 49  | WITH HERD-MATES  | 75          | 9,819               | 5.5    | 540          | 18              | 8,743               | 465         |                    |             |
| STATES-           | 13,14,16,21,22,23,31,32,33,34,41,42,43,52,55,56,58,63,65,73,74,86,93 |         |     |                  |             |                     |        |              | DIFF.           | 1076                | 75          |                    |             |
| 563813            | FAVORITE ADVANCERS TRISTRAM.....                                     |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D2-03-55          | 493165   | 1636078 | 22  | NON-AI DAUGHTERS | 37          | 12,054              | 5.5    | 662          |                 |                     |             |                    |             |
| AI STUD, 33-03    | LISTED, 08-63  |         | 22  | WITH HERD-MATES  | 37          | 12,054              | 5.5    | 662          | 50              | 10,601              | 571         |                    |             |
| STATES-           | 13,14,21   |         |     |                  |             |                     |        |              | DIFF.           | 1453                | 91          |                    |             |
| 563929            | .....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| STATES-           | 64   |         | 5   | NON-AI DAUGHTERS | 13          | 7,987               | 5.1    | 408          |                 |                     |             |                    |             |
|                   |  |         | 5   | WITH HERD-MATES  | 13          | 7,987               | 5.1    | 408          | 10              | 8,510               | 406         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 523-                | 2           |                    |             |
| 563945            | SECRET AMBASSADOR.....   |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D3-19-55          | 497574   | 1345382 | 56  | AI DAUGHTERS     | 112         | 8,792               | 4.9    | 433          |                 |                     |             |                    |             |
| AI STUD, 21-01    | LISTED, 08-63  |         | 55  | WITH HERD-MATES  | 110         | 8,724               | 4.9    | 429          | 19              | 8,221               | 426         | 8,348              | 416         |
| STATES-           | 13,21  |         |     |                  |             |                     |        |              | DIFF.           | 503                 | 3           |                    |             |
| 563955            | TENN. APRIL A. E. 8. LAO.....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| 12-30-54          | 497098   | 1647416 | 14  | NON-AI DAUGHTERS | 30          | 9,966               | 5.3    | 528          |                 |                     |             |                    |             |
| AI STUD, 63-02    | LISTED, 08-63  |         | 14  | WITH HERD-MATES  | 30          | 9,966               | 5.3    | 528          | 38              | 9,938               | 492         |                    |             |
| STATES-           | 63   |         |     |                  |             |                     |        |              | DIFF.           | 28                  | 36          |                    |             |
| 563979            | .....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| STATES-           | 32,55,56   |         | 5   | NON-AI DAUGHTERS | 5           | 4,900               | 4.9    | 241          |                 |                     |             |                    |             |
|                   |  |         | 5   | WITH HERD-MATES  | 5           | 4,900               | 4.9    | 241          | 30              | 6,415               | 330         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 1515-               | 89-         |                    |             |
| 564006            | .....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| STATES-           | 54   |         | 5   | NON-AI DAUGHTERS | 5           | 8,672               | 4.9    | 422          |                 |                     |             |                    |             |
|                   |  |         | 5   | WITH HERD-MATES  | 5           | 8,672               | 4.9    | 422          | 17              | 8,216               | 425         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 456                 | 3-          |                    |             |
| 564026            | .....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| STATES-           | 23   |         | 5   | NON-AI DAUGHTERS | 9           | 9,441               | 5.4    | 511          |                 |                     |             |                    |             |
|                   |  |         | 5   | WITH HERD-MATES  | 9           | 9,441               | 5.4    | 511          | 15              | 8,401               | 439         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 1040                | 72          |                    |             |
| 564043            | MARLU FAVORITE MILKMAN.....  |         |     |                  |             |                     |        |              |                 |                     |             |                    |             |
| D9-18-54          | 550331   | 1535135 | 5   | AI DAUGHTERS     | 5           | 7,538               | 5.6    | 425          |                 |                     |             |                    |             |
| AI STUD, 31-02    | LISTED, 08-63  |         | 5   | WITH HERD-MATES  | 5           | 7,538               | 5.6    | 425          | 5               | 8,590               | 453         | 7,625              | 406         |
| STATES-           | 31   |         |     |                  |             |                     |        |              | DIFF.           | 1052-               | 28-         |                    |             |
|                   |  |         | 16  | NON-AI DAUGHTERS | 26          | 9,183               | 5.1    | 470          |                 |                     |             |                    |             |
|                   |  |         | 14  | WITH HERD-MATES  | 24          | 9,169               | 5.0    | 463          | 5               | 8,904               | 435         |                    |             |
|                   |  |         |     |                  |             |                     |        |              | DIFF.           | 265                 | 28          |                    |             |

## SIRE OF OHIA DAUGHTERS

| JERSEY                       |                                     |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES | AV. PREDICTED |
|------------------------------|-------------------------------------|-----|------------------------|-----------------|---------------|
|                              |                                     |     | RECORDS MILK TEST FAT  | AV. MILK FAT    | MILK FAT      |
|                              |                                     |     | NUMBER L8 % L8         | NUMBER L8 L8    | L8 L8         |
| 564100                       | .....                               |     |                        |                 |               |
| STATES- 56                   | 6 NDN-AI DAUGHTERS                  | 6   | 9,380 4.8 450          | 15 8,557 426    |               |
|                              | 6 WITH HERD-MATES                   | 6   | 9,380 4.8 450          | DIFF. 823 24    |               |
| 564125                       | LIBERATORS BASILEUS.....            |     |                        |                 |               |
| 05-09-54 544382 1441635      | 15 NON-AI DAUGHTERS                 | 20  | 9,462 5.6 531          |                 |               |
| AI STUD, 35-75 LISTED, 08-63 | 14 WITH HERD-MATES                  | 19  | 9,727 5.7 550          | 23 8,977 512    |               |
| STATES- 22,31,32,61,65       |                                     |     |                        | DIFF. 750 38    |               |
| 564162                       | BEACON-S GANGSTER PRINCE.....       |     |                        |                 |               |
| 10-14-54 553475 1421684      | 11 AI DAUGHTERS                     | 11  | 6,357 5.1 323          |                 |               |
| AI STUD, 61-01 LISTED, 08-63 | 10 WITH HERD-MATES                  | 10  | 6,426 5.1 327          | 14 8,400 420    | 7,044 372     |
| STATES- 23,31,33,55,61,63    |                                     |     |                        | DIFF. 1974- 93- |               |
|                              | 13 NDN-AI DAUGHTERS                 | 18  | 11,172 5.2 580         |                 |               |
|                              | 13 WITH HERD-MATES                  | 18  | 11,172 5.2 580         | 15 10,486 528   |               |
|                              |                                     |     |                        | DIFF. 686 52    |               |
| 564163                       | .....                               |     |                        |                 |               |
| STATES- 42,84                | 5 NON-AI DAUGHTERS                  | 6   | 5,504 5.4 295          |                 |               |
|                              | 4 WITH HERD-MATES                   | 5   | 5,793 5.5 319          | 10 7,552 405    |               |
|                              |                                     |     |                        | DIFF. 1759- 86- |               |
| 564265                       | TEFFIA-S PRINCE.....                |     |                        |                 |               |
| 01-01-55 553475 1585455      | 12 NDN-AI DAUGHTERS                 | 21  | 8,014 5.4 429          |                 |               |
| AI STUD, 33-03 LISTED, 08-63 | 12 WITH HERD-MATES                  | 21  | 8,014 5.4 429          | 25 9,243 472    |               |
| STATES- 63,65                |                                     |     |                        | DIFF. 1229- 43- |               |
| 564353                       | .....                               |     |                        |                 |               |
| STATES- 58                   | 6 NDN-AI DAUGHTERS                  | 6   | 7,665 5.1 391          |                 |               |
|                              | 6 WITH HERD-MATES                   | 6   | 7,665 5.1 391          | 85 8,565 426    |               |
|                              |                                     |     |                        | DIFF. 900- 35-  |               |
| 564637                       | .....                               |     |                        |                 |               |
| STATES- 58                   | 7 NDN-AI DAUGHTERS                  | 8   | 8,833 5.3 468          |                 |               |
|                              | 7 WITH HERD-MATES                   | 8   | 8,833 5.3 468          | 69 8,674 430    |               |
|                              |                                     |     |                        | DIFF. 159 38    |               |
| 564654                       | TRISTRAM BASIL BRAVD.....           |     |                        |                 |               |
| 06-19-54 435991 1223303      | 14 NON-AI DAUGHTERS                 | 21  | 9,322 4.9 457          |                 |               |
| AI STUD, 72-01 LISTED, 08-63 | 13 WITH HERD-MATES                  | 19  | 9,298 4.9 459          | 14 8,390 432    |               |
| STATES- 57                   |                                     |     |                        | DIFF. 908 27    |               |
| 564830                       | K. C. D. C. BASIL WORLD RECORD..... |     |                        |                 |               |
| 02-01-55 486937 1720459      | 10 AI DAUGHTERS                     | 11  | 7,611 5.4 409          |                 |               |
| AI STUD, 65-02 LISTED, 08-63 | 10 WITH HERD-MATES                  | 11  | 7,611 5.4 409          | 33 7,856 413    | 7,797 411     |
| STATES- 64,65,74,85          |                                     |     |                        | DIFF. 245- 4-   |               |
|                              | 13 NON-AI DAUGHTERS                 | 21  | 8,184 5.3 435          |                 |               |
|                              | 13 WITH HERD-MATES                  | 21  | 8,184 5.3 435          | 10 7,849 410    |               |
|                              |                                     |     |                        | DIFF. 335 25    |               |
| 564878                       | .....                               |     |                        |                 |               |
| STATES- 31                   | 5 NDN-AI DAUGHTERS                  | 6   | 7,131 5.0 355          |                 |               |
|                              | 5 WITH HERD-MATES                   | 6   | 7,131 5.0 355          | 6 7,194 361     |               |
|                              |                                     |     |                        | DIFF. 63- 6-    |               |
| 564968                       | .....                               |     |                        |                 |               |
| STATES- 41                   | 8 NDN-AI DAUGHTERS                  | 8   | 7,195 5.7 410          |                 |               |
|                              | 8 WITH HERD-MATES                   | 8   | 7,195 5.7 410          | 2 8,121 403     |               |
|                              |                                     |     |                        | DIFF. 926- 7    |               |
| 565027                       | CHAMPIONS SULTAN.....               |     |                        |                 |               |
| 02-22-55 519828 1823982      | 19 NDN-AI DAUGHTERS                 | 34  | 8,335 5.5 459          |                 |               |
| AI STUD, 61-01 LISTED, 08-63 | 19 WITH HERD-MATES                  | 34  | 8,335 5.5 459          | 18 9,267 488    |               |
| STATES- 88,91,92,93          |                                     |     |                        | DIFF. 932- 29-  |               |
| 565041                       | .....                               |     |                        |                 |               |
| AI STUD, 63-03               | 7 AI DAUGHTERS                      | 10  | 5,652 5.0 283          |                 |               |
| STATES- 63,64,65             | 7 WITH HERD-MATES                   | 10  | 5,652 5.0 283          | 13 6,715 337    | 7,484 391     |
|                              |                                     |     |                        | DIFF. 1063- 54- |               |
| 565075                       | .....                               |     |                        |                 |               |
| AI STUD, 63-01               | 5 NDN-AI DAUGHTERS                  | 5   | 9,054 5.3 478          |                 |               |
| STATES- 63                   | 5 WITH HERD-MATES                   | 5   | 9,054 5.3 478          | 51 8,465 424    |               |
|                              |                                     |     |                        | DIFF. 589 54    |               |
| 565303                       | BEACON GOLDEN JESTER.....           |     |                        |                 |               |
| 05-24-54 553475 1652667      | 46 NDN-AI DAUGHTERS                 | 81  | 8,828 5.2 457          |                 |               |
| AI STUD, 34-01 LISTED, 08-63 | 46 WITH HERD-MATES                  | 81  | 8,828 5.2 457          | 29 8,743 451    |               |
| STATES- 34,35,48,55          |                                     |     |                        | DIFF. 85 6      |               |
| 565313                       | .....                               |     |                        |                 |               |
| AI STUD, 63-02               | 9 NDN-AI DAUGHTERS                  | 12  | 8,263 5.3 436          |                 |               |
| STATES- 61,63                | 9 WITH HERD-MATES                   | 12  | 8,263 5.3 436          | 8 8,052 409     |               |
|                              |                                     |     |                        | DIFF. 211 27    |               |
| 565584                       | FRASER JESTER BETTY OXFORD.....     |     |                        |                 |               |
| 09-25-54 476453 1487748      | 16 AI DAUGHTERS                     | 33  | 10,912 4.9 533         |                 |               |
| AI STUD, 93-01 LISTED, 08-63 | 16 WITH HERD-MATES                  | 33  | 10,912 4.9 533         | 15 10,910 538   | 8,082 417     |
| STATES- 93                   |                                     |     |                        | DIFF. 2 5-      |               |
| 565621                       | .....                               |     |                        |                 |               |
| STATES- 33,41                | 6 NON-AI DAUGHTERS                  | 7   | 8,259 5.1 422          |                 |               |
|                              | 6 WITH HERD-MATES                   | 7   | 8,259 5.1 422          | 6 7,567 393     |               |
|                              |                                     |     |                        | DIFF. 692 29    |               |
| 565741                       | SIGNAL ADVANCER.....                |     |                        |                 |               |
| 04-09-55 493165 1868502      | 108 AI DAUGHTERS                    | 155 | 9,080 5.0 452          |                 |               |
| AI STUD, 92-01 LISTED, 08-63 | 102 WITH HERD-MATES                 | 149 | 9,061 5.0 453          | 24 9,018 465    | 8,047 407     |
| STATES- 91,92                |                                     |     |                        | DIFF. 43 12-    |               |
|                              | 5 NDN-AI DAUGHTERS                  | 9   | 7,673 5.1 392          |                 |               |
|                              | 4 WITH HERD-MATES                   | 7   | 7,929 5.3 417          | 45 8,494 437    |               |
|                              |                                     |     |                        | DIFF. 565- 20-  |               |

## SIRE OF DHIA DAUGHTERS

| JERSEY                                     |       |                    | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | FAV. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|--|-------|--------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 565874                                     | ..... | 5 AI DAUGHTERS     | 9           | 8,968                 | 5.2    | 464         |                 |                    |            |                       |        |
| AI STUO, 82-01                             | 5     | WITH HERD-MATES    | 7           | 9,055                 | 5.2    | 474         | 4               | 8,942              | 469        | 7,973                 | 416    |
| STATES- 82                                 |       |                    |             |                       |        |             | DIFF.           | 113                | 5          |                       |        |
| 565895                                     | ..... | 5 NON-AI DAUGHTERS | 8           | 9,717                 | 5.5    | 532         |                 |                    |            |                       |        |
| STATES- 13                                 | 5     | WITH HERD-MATES    | 8           | 9,717                 | 5.5    | 532         | 5               | 8,339              | 445        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 1378               | 87         |                       |        |
| 565972                                     | ..... | 6 NON-AI DAUGHTERS | 6           | 6,378                 | 4.8    | 304         |                 |                    |            |                       |        |
| STATES- 41,74                              | 6     | WITH HERD-MATES    | 6           | 6,378                 | 4.8    | 304         | 17              | 7,098              | 353        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 720-               | 49-        |                       |        |
| 565987 SPARKLING PAR EXCELLENCE.....       |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 08-01-55 473472 1503362                    | 13    | NON-AI DAUGHTERS   | 29          | 8,668                 | 5.8    | 500         |                 |                    |            |                       |        |
| AI STUO, 41-25 LISTED, 08-63               | 13    | WITH HERD-MATES    | 29          | 8,668                 | 5.8    | 500         | 10              | 7,846              | 429        |                       |        |
| STATES- 42                                 |       |                    |             |                       |        |             | DIFF.           | 822                | 71         |                       |        |
| 566049                                     | ..... | 5 NON-AI DAUGHTERS | 5           | 7,084                 | 5.2    | 371         |                 |                    |            |                       |        |
| STATES- 55                                 | 4     | WITH HERD-MATES    | 4           | 7,268                 | 5.0    | 363         | 7               | 6,697              | 355        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 571                | 8          |                       |        |
| 566146                                     | ..... | 8 NON-AI DAUGHTERS | 8           | 8,746                 | 5.3    | 461         |                 |                    |            |                       |        |
| STATES- 23                                 | 8     | WITH HERD-MATES    | 8           | 8,746                 | 5.3    | 461         | 50              | 9,172              | 484        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 426-               | 23-        |                       |        |
| 566193                                     | ..... | 5 NON-AI DAUGHTERS | 7           | 7,532                 | 4.9    | 368         |                 |                    |            |                       |        |
| STATES- 23                                 | 5     | WITH HERD-MATES    | 7           | 7,532                 | 4.9    | 368         | 16              | 6,802              | 349        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 730                | 19         |                       |        |
| 566264 SPARKLE SUPER8.....                 |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 03-24-55 506147 1604255                    | 17    | NON-AI DAUGHTERS   | 31          | 9,690                 | 5.6    | 539         |                 |                    |            |                       |        |
| AI STUO, 35-02 LISTED, 08-63               | 16    | WITH HERD-MATES    | 30          | 9,697                 | 5.5    | 538         | 23              | 8,870              | 477        |                       |        |
| STATES- 13,21,31,34,35,56                  |       |                    |             |                       |        |             | DIFF.           | 827                | 61         |                       |        |
| 566376                                     | ..... | 8 NON-AI DAUGHTERS | 10          | 5,881                 | 4.9    | 288         |                 |                    |            |                       |        |
| STATES- 56                                 | 8     | WITH HERD-MATES    | 10          | 5,881                 | 4.9    | 288         | 51              | 5,802              | 296        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 79                 | 8-         |                       |        |
| 566473                                     | ..... | 5 NON-AI DAUGHTERS | 5           | 6,714                 | 5.2    | 346         |                 |                    |            |                       |        |
| STATES- 55                                 | 5     | WITH HERD-MATES    | 5           | 6,714                 | 5.2    | 346         | 65              | 6,367              | 331        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 347                | 15         |                       |        |
| 566474                                     | ..... | 5 NON-AI DAUGHTERS | 5           | 7,708                 | 5.3    | 411         |                 |                    |            |                       |        |
| STATES- 55                                 | 5     | WITH HERD-MATES    | 5           | 7,708                 | 5.3    | 411         | 38              | 7,798              | 395        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 90-                | 16         |                       |        |
| 566572                                     | ..... | 5 NON-AI DAUGHTERS | 6           | 6,728                 | 5.1    | 341         |                 |                    |            |                       |        |
| STATES- 33                                 | 5     | WITH HERD-MATES    | 6           | 6,728                 | 5.1    | 341         | 13              | 6,922              | 359        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 194-               | 18-        |                       |        |
| 566825                                     | ..... | 5 NON-AI DAUGHTERS | 6           | 6,483                 | 5.0    | 324         |                 |                    |            |                       |        |
| STATES- 57,64,74                           | 5     | WITH HERD-MATES    | 5           | 6,596                 | 5.0    | 328         | 25              | 6,768              | 342        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 172-               | 14-        |                       |        |
| 567009 CHAMPIONS LEADER.....               |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 04-04-55 519828 1912149                    | 9     | NON-AI DAUGHTERS   | 14          | 8,683                 | 5.6    | 484         |                 |                    |            |                       |        |
| AI STUO, 35-02 LISTED, 08-63               | 9     | WITH HERD-MATES    | 14          | 8,683                 | 5.6    | 484         | 4               | 8,253              | 459        |                       |        |
| STATES- 43                                 |       |                    |             |                       |        |             | DIFF.           | 430                | 25         |                       |        |
| 567063 MARLU TALISMAN COMMANDO.....        |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 03-12-55 457631 1983659                    | 37    | AI DAUGHTERS       | 57          | 7,805                 | 5.0    | 389         |                 |                    |            |                       |        |
| AI STUO, 65-02 LISTED, 08-63               | 33    | WITH HERD-MATES    | 52          | 7,840                 | 5.0    | 391         | 20              | 7,788              | 391        | 7,939                 | 412    |
| STATES- 21,23,51,65                        |       |                    |             |                       |        |             | DIFF.           | 52                 |            |                       |        |
|  | 10    | NON-AI DAUGHTERS   | 31          | 8,779                 | 5.1    | 451         |                 |                    |            |                       |        |
|  | 10    | WITH HERD-MATES    | 31          | 8,779                 | 5.1    | 451         | 25              | 8,809              | 454        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 30-                | 3-         |                       |        |
| 567064 MARLU GLEO COMMANDO.....            |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 03-19-55 457631 1465209                    | 148   | AI DAUGHTERS       | 233         | 8,013                 | 5.5    | 439         |                 |                    |            |                       |        |
| AI STUO, 23-04 LISTED, 08-63               | 143   | WITH HERD-MATES    | 221         | 8,038                 | 5.5    | 440         | 13              | 8,228              | 434        | 7,765                 | 420    |
| STATES- 21,23                              |       |                    |             |                       |        |             | DIFF.           | 190-               | 6          |                       |        |
| 567065 MARLU JESTER COMMANDO.....          |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 05-06-55 457631 1541983                    | 14    | AI DAUGHTERS       | 24          | 7,984                 | 5.1    | 409         |                 |                    |            |                       |        |
| AI STUO, 72-01 LISTED, 08-63               | 14    | WITH HERD-MATES    | 24          | 7,984                 | 5.1    | 409         | 13              | 8,026              | 409        | 7,894                 | 413    |
| STATES- 72                                 |       |                    |             |                       |        |             | DIFF.           | 42-                |            |                       |        |
| 567122 STANDARD VOLUNTEER DANDY ENVOY..... |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 12-12-54 48459 1604397                     | 27    | NON-AI DAUGHTERS   | 53          | 8,853                 | 5.4    | 474         |                 |                    |            |                       |        |
| AI STUO, 35-75 LISTED, 08-63               | 26    | WITH HERD-MATES    | 49          | 8,813                 | 5.3    | 471         | 8               | 8,404              | 439        |                       |        |
| STATES- 41                                 |       |                    |             |                       |        |             | DIFF.           | 409                | 32         |                       |        |
| 567307                                     | ..... | 5 NON-AI DAUGHTERS | 5           | 5,336                 | 4.7    | 252         |                 |                    |            |                       |        |
| STATES- 65                                 | 5     | WITH HERD-MATES    | 5           | 5,336                 | 4.7    | 252         | 21              | 6,230              | 291        |                       |        |
|  |       |                    |             |                       |        |             | DIFF.           | 894-               | 39-        |                       |        |
| 567370 MARLU FASHION LEADER.....           |       |                    |             |                       |        |             |                 |                    |            |                       |        |
| 11-13-54 552974 1914089                    | 20    | NON-AI DAUGHTERS   | 26          | 10,268                | 5.2    | 534         |                 |                    |            |                       |        |
| AI STUO, 33-03 LISTED, 08-63               | 20    | WITH HERD-MATES    | 26          | 10,268                | 5.2    | 534         | 17              | 9,086              | 474        |                       |        |
| STATES- 23,33,42,43,55,65,71               |       |                    |             |                       |        |             | DIFF.           | 1182               | 60         |                       |        |



## SIREs OF DHIA DAUGHTERS

| JERSEY   |     |       |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV.            |
|--|-----|-------|-----|------------------------|---------------------|------------------------------|
|  |     |       |     | RECORDS MILK TEST FAT  | NUMBER MILK FAT     | MILK FAT                     |
|  |     |       |     | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8                        |
| 567410 F. ADVANCERS DANDY CHIEF.....             |     |       |     |                        |                     |                              |
| 12-08-54 524581 1506365 108 AI DAUGHTERS         | 160 | 9,203 | 5.0 | 460                    |                     |                              |
| AI STUD, 92-01 LISTED, 08-63 103 WITH HERD-MATES | 154 | 9,177 | 5.0 | 460                    |                     |                              |
| STATES- 14,92                                    |     |       |     |                        | 16 DIFF.            | 9,011 468 8- 8,156 410       |
| 567504 .....                                     |     |       |     |                        |                     |                              |
| STATES- 91 10 NDN-AI DAUGHTERS                   | 10  | 8,366 | 5.4 | 451                    |                     |                              |
| 10 WITH HERD-MATES                               | 10  | 8,366 | 5.4 | 451                    | 22 DIFF.            | 8,425 442 59- 9              |
| 567527 .....                                     |     |       |     |                        |                     |                              |
| STATES- 65,72 5 NDN-AI DAUGHTERS                 | 5   | 7,310 | 5.0 | 363                    |                     |                              |
| 5 WITH HERD-MATES                                | 5   | 7,310 | 5.0 | 363                    | 13 DIFF.            | 6,890 347 420 16             |
| 567636 .....                                     |     |       |     |                        |                     |                              |
| STATES- 31,32,61 5 NDN-AI DAUGHTERS              | 7   | 6,791 | 5.3 | 361                    |                     |                              |
| 5 WITH HERD-MATES                                | 7   | 6,791 | 5.3 | 361                    | 10 DIFF.            | 7,721 397 930- 36-           |
| 567846 TEFFIC PRINCE DESTINY.....                |     |       |     |                        |                     |                              |
| D7-21-55 553475 1536919 30 NDN-AI DAUGHTERS      | 47  | 7,898 | 5.0 | 394                    |                     |                              |
| LISTED, D1-63 30 WITH HERD-MATES                 | 46  | 7,953 | 5.0 | 397                    |                     |                              |
| STATES- 64,65                                    |     |       |     |                        | 25 DIFF.            | 8,013 390 60- 7              |
| 568033 .....                                     |     |       |     |                        |                     |                              |
| STATES- 14,21 6 NDN-AI DAUGHTERS                 | 10  | 9,949 | 5.6 | 553                    |                     |                              |
| 6 WITH HERD-MATES                                | 10  | 9,949 | 5.6 | 553                    | 46 DIFF.            | 10,246 545 297- 8            |
| 568042 .....                                     |     |       |     |                        |                     |                              |
| STATES- 31 8 NDN-AI DAUGHTERS                    | 10  | 6,868 | 5.5 | 379                    |                     |                              |
| 8 WITH HERD-MATES                                | 10  | 6,868 | 5.5 | 379                    | 9 DIFF.             | 8,097 451 1229- 72-          |
| 568057 .....                                     |     |       |     |                        |                     |                              |
| STATES- 32,34 6 NDN-AI DAUGHTERS                 | 8   | 8,299 | 4.8 | 398                    |                     |                              |
| 4 WITH HERD-MATES                                | 6   | 9,046 | 4.8 | 431                    | 9 DIFF.             | 7,292 376 1754 55            |
| 568199 8LDNDE ADVANCER ANDY.....                 |     |       |     |                        |                     |                              |
| 10-01-54 496820 1664629 17 NDN-AI DAUGHTERS      | 36  | 9,447 | 5.2 | 495                    |                     |                              |
| AI STUD, 35-05 LISTED, 08-63 17 WITH HERD-MATES  | 36  | 9,447 | 5.2 | 495                    |                     |                              |
| STATES- 31                                       |     |       |     |                        | 8 DIFF.             | 8,247 438 1200 57            |
| 568375 .....                                     |     |       |     |                        |                     |                              |
| STATES- 63 5 NDN-AI DAUGHTERS                    | 6   | 7,531 | 5.4 | 406                    |                     |                              |
| 5 WITH HERD-MATES                                | 6   | 7,531 | 5.4 | 406                    | 26 DIFF.            | 7,832 399 301- 7             |
| 568422 .....                                     |     |       |     |                        |                     |                              |
| STATES- 12 5 NDN-AI DAUGHTERS                    | 6   | 6,561 | 5.0 | 329                    |                     |                              |
| 5 WITH HERD-MATES                                | 6   | 6,561 | 5.0 | 329                    | 7 DIFF.             | 6,442 317 119 12             |
| 568628 .....                                     |     |       |     |                        |                     |                              |
| STATES- 41,42 5 NDN-AI DAUGHTERS                 | 5   | 9,656 | 4.6 | 444                    |                     |                              |
| 5 WITH HERD-MATES                                | 5   | 9,656 | 4.6 | 444                    | 15 DIFF.            | 7,895 404 1761 40            |
| 568657 .....                                     |     |       |     |                        |                     |                              |
| STATES- 33 5 NDN-AI DAUGHTERS                    | 8   | 8,980 | 4.9 | 443                    |                     |                              |
| 5 WITH HERD-MATES                                | 8   | 8,980 | 4.9 | 443                    | 4 DIFF.             | 9,760 510 780- 67-           |
| 568680 FTTAS AMBASSADDR.....                     |     |       |     |                        |                     |                              |
| 10-09-54 545211 1963101 31 NDN-AI DAUGHTERS      | 52  | 9,017 | 5.1 | 460                    |                     |                              |
| AI STUD, 31-01 LISTED, D8-63 31 WITH HERD-MATES  | 52  | 9,017 | 5.1 | 460                    |                     |                              |
| STATES- 23,31                                    |     |       |     |                        | 14 DIFF.            | 8,646 455 371 5              |
| 568681 MARLU ETTA DESIGN.....                    |     |       |     |                        |                     |                              |
| D8-15-55 552974 1694271 53 AI DAUGHTERS          | 71  | 7,168 | 5.2 | 371                    |                     |                              |
| AI STUD, 63-01 LISTED, D8-63 52 WITH HERD-MATES  | 66  | 7,182 | 5.2 | 372                    |                     |                              |
| STATES- 55,63,65                                 |     |       |     |                        | 14 DIFF.            | 7,614 386 432- 14- 7,536 399 |
| 568816 .....                                     |     |       |     |                        |                     |                              |
| STATES- 42 6 NDN-AI DAUGHTERS                    | 9   | 7,638 | 5.1 | 391                    |                     |                              |
| 6 WITH HERD-MATES                                | 9   | 7,638 | 5.1 | 391                    | 6 DIFF.             | 7,573 386 65 5               |
| 568861 OREGON 8LDNDE JASDN.....                  |     |       |     |                        |                     |                              |
| 01-03-56 489637 1986501 45 AI DAUGHTERS          | 60  | 8,839 | 5.0 | 446                    |                     |                              |
| AI STUD, 92-01 LISTED, D8-63 44 WITH HERD-MATES  | 59  | 8,848 | 5.1 | 450                    |                     |                              |
| STATES- 92                                       |     |       |     |                        | 20 DIFF.            | 9,012 469 164- 19- 7,868 403 |
| 569DD3 .....                                     |     |       |     |                        |                     |                              |
| STATES- 91 5 NDN-AI DAUGHTERS                    | 8   | 7,518 | 5.2 | 389                    |                     |                              |
| 5 WITH HERD-MATES                                | 8   | 7,518 | 5.2 | 389                    | 16 DIFF.            | 8,740 467 1222- 78-          |
| 569130 ADVANCER COMMAND DANDY STANDARD.....      |     |       |     |                        |                     |                              |
| 03-09-55 513063 1841038 14 AI DAUGHTERS          | 20  | 7,854 | 5.0 | 394                    |                     |                              |
| AI STUD, 65-02 LISTED, D8-63 13 WITH HERD-MATES  | 19  | 7,693 | 5.0 | 381                    |                     |                              |
| STATES- 65,74                                    |     |       |     |                        | 16 DIFF.            | 7,891 390 198- 9- 7,806 407  |
| 1 NDN-AI DAUGHTERS                               | 1   | 9,380 | 4.6 | 428                    |                     |                              |
| 1 WITH HERD-MATES                                | 1   | 9,380 | 4.6 | 428                    | 30 DIFF.            | 9,373 485 7 57-              |
| 569149 RADARS STANDARD PRIMER.....               |     |       |     |                        |                     |                              |
| 04-18-55 555846 1616052 9 AI DAUGHTERS           | 13  | 9,528 | 4.8 | 461                    |                     |                              |
| AI STUD, 93-01 LISTED, 08-63 7 WITH HERD-MATES   | 11  | 8,586 | 4.9 | 425                    |                     |                              |
| STATES- 93                                       |     |       |     |                        | 9 DIFF.             | 9,003 468 417- 43- 7,799 399 |

## SIRE OF DHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTERS     |                                |    |                  |  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. NUM8ER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|------------------------------|--------------------------------|----|------------------|--|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| JERSEY                       |                                |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 569157                       | MARLU JESTER SUPREME.....      |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 05-11-55                     | 506147 1883661                 | 91 | AI DAUGHTERS     |  | 146         | 8,442              | 5.0       | 425         |                 |                    |            |                   |            |
| AI STUD, 87-01 LISTED, 08-63 |                                | 87 | WITH HERD-MATES  |  | 139         | 8,483              | 5.0       | 428         | 11              | 8,489              | 440        | 7,955             | 405        |
| STATES- 82,87,92             |                                |    |                  |  |             |                    |           |             | DIFF.           | 6-                 | 12-        |                   |            |
| 569171                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 64                   |                                | 13 | NON-AI DAUGHTERS |  | 17          | 6,229              | 4.4       | 277         | 4               | 7,442              | 336        |                   |            |
|                              |                                | 13 | WITH HERD-MATES  |  | 17          | 6,229              | 4.4       | 277         | DIFF.           | 1213-              | 59-        |                   |            |
| 569264                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 63                   |                                | 11 | NON-AI DAUGHTERS |  | 11          | 7,571              | 4.7       | 354         | 4               | 7,051              | 338        |                   |            |
|                              |                                | 11 | WITH HERD-MATES  |  | 11          | 7,571              | 4.7       | 354         | DIFF.           | 520                | 16         |                   |            |
| 569344                       | CONALADS GDVERNOR.....         |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 11-27-54                     | 540908 1579915                 | 32 | NON-AI DAUGHTERS |  | 59          | 10,399             | 4.9       | 513         |                 |                    |            |                   |            |
| AI STUD, 93-05 LISTED, 08-63 |                                | 32 | WITH HERD-MATES  |  | 58          | 10,397             | 4.9       | 514         | 9               | 9,609              | 502        |                   |            |
| STATES- 82,84,88,91          |                                |    |                  |  |             |                    |           |             | DIFF.           | 788                | 12         |                   |            |
| 569466                       | MARSHALLS OLIVER.....          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 02-02-56                     | 533617 1868594                 | 76 | AI DAUGHTERS     |  | 119         | 9,341              | 5.0       | 471         |                 |                    |            |                   |            |
| AI STUD, 16-04 LISTED, 08-63 |                                | 72 | WITH HERD-MATES  |  | 114         | 9,404              | 5.0       | 473         | 12              | 8,497              | 446        | 8,731             | 439        |
| STATES- 12,13,14             |                                |    |                  |  |             |                    |           |             | DIFF.           | 907                | 27         |                   |            |
| 569901                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 42                   |                                | 5  | NON-AI DAUGHTERS |  | 6           | 9,069              | 5.6       | 511         | 3               | 8,344              | 423        |                   |            |
|                              |                                | 5  | WITH HERD-MATES  |  | 6           | 9,069              | 5.6       | 511         | DIFF.           | 725                | 88         |                   |            |
| 570050                       | BRIGHAM CONFIDENT MARLAND..... |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 03-27-56                     | 470945 1563732                 | 54 | AI DAUGHTERS     |  | 68          | 8,982              | 5.3       | 472         |                 |                    |            |                   |            |
| AI STUD, 12-03 LISTED, 08-63 |                                | 52 | WITH HERD-MATES  |  | 65          | 9,000              | 5.3       | 473         | 18              | 8,976              | 467        | 8,016             | 422        |
| STATES- 12,13,34             |                                |    |                  |  |             |                    |           |             | DIFF.           | 24                 | 6          |                   |            |
| 570102                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 65                   |                                | 11 | NON-AI DAUGHTERS |  | 14          | 6,627              | 4.9       | 326         | 81              | 7,184              | 347        |                   |            |
|                              |                                | 11 | WITH HERD-MATES  |  | 11          | 6,636              | 5.0       | 330         | DIFF.           | 548-               | 17-        |                   |            |
| 570125                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 14,82                |                                | 7  | NON-AI DAUGHTERS |  | 9           | 8,244              | 5.3       | 434         | 4               | 8,148              | 434        |                   |            |
|                              |                                | 7  | WITH HERD-MATES  |  | 8           | 8,291              | 5.2       | 435         | DIFF.           | 143                | 1          |                   |            |
| 570244                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 64                   |                                | 8  | NON-AI DAUGHTERS |  | 8           | 6,855              | 4.5       | 308         | 7               | 7,229              | 333        |                   |            |
|                              |                                | 8  | WITH HERD-MATES  |  | 8           | 6,855              | 4.5       | 308         | DIFF.           | 374-               | 25-        |                   |            |
| 570317                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 33,41,58,63          |                                | 6  | NON-AI DAUGHTERS |  | 9           | 7,310              | 5.5       | 403         | 37              | 8,192              | 417        |                   |            |
|                              |                                | 6  | WITH HERD-MATES  |  | 9           | 7,310              | 5.5       | 403         | DIFF.           | 882-               | 14-        |                   |            |
| 570419                       | MARSHALL VOUNTEER.....         |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 05-28-56                     | 533617 1801004                 | 68 | AI DAUGHTERS     |  | 99          | 8,700              | 5.3       | 461         |                 |                    |            |                   |            |
| AI STUD, 21-01 LISTED, 08-63 |                                | 67 | WITH HERD-MATES  |  | 98          | 8,696              | 5.3       | 461         | 18              | 8,526              | 446        | 8,105             | 428        |
| STATES- 13,21                |                                |    |                  |  |             |                    |           |             | DIFF.           | 170                | 15         |                   |            |
|                              |                                | 1  | NON-AI DAUGHTERS |  | 2           | 6,965              | 4.7       | 326         | 4               | 7,173              | 338        |                   |            |
|                              |                                | 1  | WITH HERD-MATES  |  | 2           | 6,965              | 4.7       | 326         | DIFF.           | 208-               | 12-        |                   |            |
| 570421                       | WHITHALL SPARKLE PILDY.....    |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 04-15-56                     | 506147 1604255                 | 58 | AI DAUGHTERS     |  | 80          | 8,821              | 5.1       | 449         |                 |                    |            |                   |            |
| AI STUD, 33-02 LISTED, 08-63 |                                | 57 | WITH HERD-MATES  |  | 79          | 8,852              | 5.1       | 451         | 10              | 8,169              | 425        | 8,491             | 435        |
| STATES- 33                   |                                |    |                  |  |             |                    |           |             | DIFF.           | 683                | 26         |                   |            |
| 570714                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 92,93                |                                | 6  | NON-AI DAUGHTERS |  | 7           | 10,827             | 5.6       | 610         | 13              | 10,375             | 591        |                   |            |
|                              |                                | 6  | WITH HERD-MATES  |  | 7           | 10,827             | 5.6       | 610         | DIFF.           | 452                | 19         |                   |            |
| 570824                       | MAIDEN LAD APOLLO.....         |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| 01-12-56                     | 480642 1797846                 | 29 | AI DAUGHTERS     |  | 37          | 8,649              | 5.3       | 460         |                 |                    |            |                   |            |
| AI STUD, 12-03 LISTED, 08-63 |                                | 28 | WITH HERD-MATES  |  | 36          | 8,710              | 5.3       | 462         | 18              | 9,105              | 482        | 7,717             | 404        |
| STATES- 12,13,14             |                                |    |                  |  |             |                    |           |             | DIFF.           | 395-               | 20-        |                   |            |
|                              |                                | 2  | NON-AI DAUGHTERS |  | 2           | 9,585              | 5.8       | 552         | 20              | 10,056             | 553        |                   |            |
|                              |                                | 2  | WITH HERD-MATES  |  | 2           | 9,585              | 5.8       | 552         | DIFF.           | 471-               | 1-         |                   |            |
| 570828                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 41,42,84             |                                | 6  | NON-AI DAUGHTERS |  | 9           | 6,996              | 5.9       | 416         | 19              | 7,850              | 424        |                   |            |
|                              |                                | 6  | WITH HERD-MATES  |  | 9           | 6,996              | 5.9       | 416         | DIFF.           | 854-               | 8-         |                   |            |
| 570851                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 52,55                |                                | 6  | NON-AI DAUGHTERS |  | 9           | 9,608              | 5.2       | 496         | 27              | 8,968              | 460        |                   |            |
|                              |                                | 6  | WITH HERD-MATES  |  | 9           | 9,608              | 5.2       | 496         | DIFF.           | 640                | 36         |                   |            |
| 570945                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 13                   |                                | 5  | NON-AI DAUGHTERS |  | 7           | 8,014              | 5.6       | 451         | 16              | 9,099              | 478        |                   |            |
|                              |                                | 5  | WITH HERD-MATES  |  | 7           | 8,014              | 5.6       | 451         | DIFF.           | 1085-              | 27-        |                   |            |
| 571009                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 63                   |                                | 7  | NON-AI DAUGHTERS |  | 7           | 7,263              | 5.0       | 361         | 9               | 6,839              | 333        |                   |            |
|                              |                                | 7  | WITH HERD-MATES  |  | 7           | 7,263              | 5.0       | 361         | DIFF.           | 424                | 28         |                   |            |
| 571029                       | .....                          |    |                  |  |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 61                   |                                | 6  | NON-AI DAUGHTERS |  | 7           | 5,317              | 5.5       | 290         | 15              | 5,988              | 312        |                   |            |
|                              |                                | 6  | WITH HERD-MATES  |  | 7           | 5,317              | 5.5       | 290         | DIFF.           | 671-               | 22-        |                   |            |

## SIRE OF DHIA DAUGHTERS

| JERSEY   | AV. PRODUCTION OF DAU. |                  |        |        | ADJ. HERD-MATES AV. |      |        | PREDICTED AV. |           |
|--|------------------------|------------------|--------|--------|---------------------|------|--------|---------------|-----------|
|  | RECORDS                | MILK             | TEST   | FAT    | AV.                 | MILK | FAT    | MILK          | FAT       |
|  | NUMBER                 | L8               | %      | L8     | NUMBER              | L8   | L8     | L8            | L8        |
| 571042 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 74   | 5                      | NON-AI DAUGHTERS | 6      | 7,788  | 4.9                 | 382  |        |               |           |
|  | 4                      | WITH HERD-MATES  | 5      | 7,848  | 4.9                 | 388  | 5      | 8,023         | 407       |
|  |                        |                  |        |        |                     |      | 175-   | 19-           |           |
| 571160 HEADSPRING SPARKLING SPARKS.....                    |                        |                  |        |        |                     |      |        |               |           |
| 11-10-53 508078 1461066 40                                 | NON-AI DAUGHTERS       | 71               | 9,794  | 5.1    | 500                 |      |        |               |           |
| AI STUD, 41-25 LISTED, 08-63 39                            | WITH HERD-MATES        | 70               | 9,905  | 5.1    | 505                 | 46   | 10,339 | 538           |           |
| STATES- 52,56,57   |                        |                  |        |        |                     |      | 434-   | 33-           |           |
| 571256 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 91   | 5                      | NDN-AI DAUGHTERS | 5      | 11,536 | 5.1                 | 593  |        |               |           |
|  | 5                      | WITH HERD-MATES  | 5      | 11,536 | 5.1                 | 593  | 16     | 10,309        | 556       |
|  |                        |                  |        |        |                     |      | 1227   | 37            |           |
| 571291 TRISTRAM SPARKLING SIR CHAMPION.....                |                        |                  |        |        |                     |      |        |               |           |
| 07-11-55 519828 1879821 23                                 | NDN-AI DAUGHTERS       | 34               | 9,696  | 5.4    | 519                 |      |        |               |           |
| AI STUD, 33-03 LISTED, 08-63 23                            | WITH HERD-MATES        | 34               | 9,696  | 5.4    | 519                 | 32   | 8,725  | 478           |           |
| STATES- 43,92  |                        |                  |        |        |                     |      | 971    | 41            |           |
| 571382 H. L. TORONO SECRET ORATDR.....                     |                        |                  |        |        |                     |      |        |               |           |
| 04-28-56 497574 1868596 35                                 | AI DAUGHTERS           | 41               | 11,107 | 4.8    | 538                 |      |        |               |           |
| AI STUD, 22-03 LISTED, 08-63 33                            | WITH HERD-MATES        | 39               | 11,154 | 4.8    | 540                 | 56   | 10,219 | 529           | 8,761 430 |
| STATES- 22   |                        |                  |        |        |                     |      | 935    | 11            |           |
|  | 1                      | NDN-AI DAUGHTERS | 1      | 11,690 | 5.1                 | 599  |        |               |           |
|  | 1                      | WITH HERD-MATES  | 1      | 11,690 | 5.1                 | 599  | 33     | 10,202        | 535       |
|  |                        |                  |        |        |                     |      | 1488   | 64            |           |
| 571400 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 88   | 7                      | NDN-AI DAUGHTERS | 7      | 8,339  | 5.8                 | 482  |        |               |           |
|  | 7                      | WITH HERD-MATES  | 7      | 8,339  | 5.8                 | 482  | 17     | 8,325         | 451       |
|  |                        |                  |        |        |                     |      | 14     | 31            |           |
| 571402 .....   |                        |                  |        |        |                     |      |        |               |           |
| AI STUD, 71-01   | 5                      | AI DAUGHTERS     | 6      | 7,695  | 4.8                 | 372  |        |               |           |
| STATES- 71   | 4                      | WITH HERD-MATES  | 5      | 8,184  | 4.9                 | 398  | 13     | 7,646         | 387       |
|  |                        |                  |        |        |                     |      | 538    | 11            | 8,038 415 |
| 571426 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 13   | 9                      | NON-AI DAUGHTERS | 11     | 9,840  | 5.5                 | 541  |        |               |           |
|  | 9                      | WITH HERD-MATES  | 11     | 9,840  | 5.5                 | 541  | 10     | 9,845         | 534       |
|  |                        |                  |        |        |                     |      | 5-     | 7             |           |
| 571446 MARLU COMMANDO CITATION.....                        |                        |                  |        |        |                     |      |        |               |           |
| 01-09-56 559991 1748309 18                                 | NDN-AI DAUGHTERS       | 27               | 8,887  | 5.6    | 497                 |      |        |               |           |
| AI STUD, 92-01 LISTED, 08-63 17                            | WITH HERD-MATES        | 26               | 8,981  | 5.6    | 502                 | 7    | 9,126  | 482           |           |
| STATES- 92   |                        |                  |        |        |                     |      | 145-   | 20            |           |
| 571488 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 73   | 6                      | NON-AI DAUGHTERS | 6      | 7,148  | 5.4                 | 385  |        |               |           |
|  | 6                      | WITH HERD-MATES  | 6      | 7,148  | 5.4                 | 385  | 5      | 8,065         | 446       |
|  |                        |                  |        |        |                     |      | 917-   | 61-           |           |
| 571546 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 31   | 5                      | NON-AI DAUGHTERS | 7      | 7,418  | 5.2                 | 387  |        |               |           |
|  | 5                      | WITH HERD-MATES  | 7      | 7,418  | 5.2                 | 387  | 17     | 7,601         | 390       |
|  |                        |                  |        |        |                     |      | 183-   | 3-            |           |
| 571558 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 55   | 8                      | NON-AI DAUGHTERS | 9      | 7,817  | 5.2                 | 410  |        |               |           |
|  | 8                      | WITH HERD-MATES  | 8      | 8,084  | 5.2                 | 419  | 45     | 6,087         | 304       |
|  |                        |                  |        |        |                     |      | 1997   | 115           |           |
| 571584 .....   |                        |                  |        |        |                     |      |        |               |           |
| STATES- 23   | 8                      | NDN-AI DAUGHTERS | 12     | 10,259 | 5.3                 | 543  |        |               |           |
|  | 8                      | WITH HERD-MATES  | 12     | 10,259 | 5.3                 | 543  | 33     | 9,038         | 490       |
|  |                        |                  |        |        |                     |      | 1221   | 53            |           |
| 571673 SHADELS DXFDRD AIM TEFFIA.....                      |                        |                  |        |        |                     |      |        |               |           |
| 07-01-56 507867 1536916 56                                 | AI DAUGHTERS           | 75               | 7,351  | 5.4    | 396                 |      |        |               |           |
| AI STUD, 33-02 LISTED, 08-63 54                            | WITH HERD-MATES        | 73               | 7,306  | 5.4    | 393                 | 11   | 8,013  | 420           | 7,345 392 |
| STATES- 33,48  |                        |                  |        |        |                     |      | 707-   | 27-           |           |
|  | 1                      | NDN-AI DAUGHTERS | 3      | 9,060  | 5.9                 | 532  |        |               |           |
| 571911 MARLU MILADY FASHION PRINCE.....                    |                        |                  |        |        |                     |      |        |               |           |
| 01-01-56 506147 1726368 391                                | AI DAUGHTERS           | 598              | 8,765  | 5.1    | 450                 |      |        |               |           |
| AI STUD, 23-04 LISTED, 08-63 377                           | WITH HERD-MATES        | 575              | 8,750  | 5.1    | 449                 | 15   | 8,520  | 451           | 8,189 415 |
| STATES- 11,12,13,21,22,23,31,46,48,50,51,54,56,63,64,65,74 |                        |                  |        |        |                     |      | 230    | 2-            |           |
| 571912 MARLU CHOICE COMMANDO.....                          |                        |                  |        |        |                     |      |        |               |           |
| 02-18-56 552974 2029032 156                                | AI DAUGHTERS           | 236              | 8,019  | 5.7    | 454                 |      |        |               |           |
| AI STUD, 11-01 LISTED, 08-63 155                           | WITH HERD-MATES        | 233              | 8,012  | 5.7    | 454                 | 14   | 8,570  | 444           | 7,457 425 |
| STATES- 11,13  |                        |                  |        |        |                     |      | 558-   | 10            |           |
| 571913 MARLU ADVANCER SNOWMAN.....                         |                        |                  |        |        |                     |      |        |               |           |
| 03-07-56 563805 1821569 13                                 | NDN-AI DAUGHTERS       | 19               | 9,428  | 5.4    | 513                 |      |        |               |           |
| AI STUD, 35-75 LISTED, 08-63 13                            | WITH HERD-MATES        | 19               | 9,428  | 5.4    | 513                 | 12   | 8,858  | 452           |           |
| STATES- 35,42  |                        |                  |        |        |                     |      | 570    | 61            |           |
| 571951 80LO HIGH-WAY-MAN.....                              |                        |                  |        |        |                     |      |        |               |           |
| 04-27-56 473956 1513686 28                                 | AI DAUGHTERS           | 39               | 8,906  | 5.1    | 455                 |      |        |               |           |
| AI STUD, 11-01 LISTED, 08-63 26                            | WITH HERD-MATES        | 36               | 9,145  | 5.2    | 471                 | 13   | 8,729  | 453           | 8,249 428 |
| STATES- 11   |                        |                  |        |        |                     |      | 416    | 18            |           |
|  | 7                      | NDN-AI DAUGHTERS | 15     | 10,237 | 5.0                 | 514  |        |               |           |
|  | 6                      | WITH HERD-MATES  | 13     | 10,682 | 5.0                 | 530  | 28     | 9,586         | 505       |
|  |                        |                  |        |        |                     |      | 1096   | 25            |           |
| 572017 .....   |                        |                  |        |        |                     |      |        |               |           |
| AI STUD, 65-04   | 6                      | AI DAUGHTERS     | 7      | 6,283  | 5.4                 | 337  |        |               |           |
| STATES- 64,65  | 6                      | WITH HERD-MATES  | 7      | 6,283  | 5.4                 | 337  | 13     | 7,140         | 370       |
|  |                        |                  |        |        |                     |      | 857-   | 33-           | 7,602 401 |



## SIRE OF DHIA DAUGHTERS

| JERSEY                                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|---|------------------------|---------------------|---------------|
| RECORDS                                 | MILK                   | MILK                | MILK          |
| NUMBER                                  | LB                     | LB                  | LB            |
| TEST                                    | FAT                    | FAT                 | FAT           |
| %                                       | LB                     | LB                  | LB            |
| 572114 .....                            | 6                      | 23                  |               |
| STATES- 41,58,64                        | 6                      | DIFF.               |               |
| 6 NDN-AI DAUGHTERS                      | 7,217                  | 6,986               | 351           |
| 6 WITH HERD-MATES                       | 5.1                    | 231                 | 16            |
| 572141 .....                            | 9                      | 19                  |               |
| STATES- 55                              | 9                      | DIFF.               |               |
| 5 NON-AI DAUGHTERS                      | 7,453                  | 6,634               | 334           |
| 5 WITH HERD-MATES                       | 4.9                    | 819                 | 32            |
| 572206 CHAMPIDN-S SENATDR.....          | 14                     | 24                  |               |
| 09-15-56 519828 1636074                 | 14                     | DIFF.               |               |
| AI STUD, 93-D1 LISTED, D8-63            | 11,394                 | 10,873              | 578           |
| STATES- 93                              | 5.6                    | 521                 | 55            |
| 572241 .....                            | 8                      | 12                  |               |
| STATES- 56                              | 8                      | DIFF.               |               |
| 8 NDN-AI DAUGHTERS                      | 6,473                  | 7,179               | 348           |
| 8 WITH HERD-MATES                       | 5.0                    | 706-                | 25-           |
| 572293 .....                            | 7                      | 18                  |               |
| STATES- 11                              | 7                      | DIFF.               |               |
| 6 NON-AI DAUGHTERS                      | 6,841                  | 7,411               | 392           |
| 6 WITH HERD-MATES                       | 5.1                    | 570-                | 45-           |
| 572305 .....                            | 6                      | 8                   |               |
| STATES- 13                              | 5                      | DIFF.               |               |
| 6 NDN-AI DAUGHTERS                      | 5,612                  | 7,644               | 389           |
| 5 WITH HERD-MATES                       | 5.2                    | 1890-               | 89-           |
| 572347 .....                            | 10                     | 59                  |               |
| STATES- 55,56,58                        | 10                     | DIFF.               |               |
| 9 NDN-AI DAUGHTERS                      | 8,963                  | 8,915               | 477           |
| 9 WITH HERD-MATES                       | 5.3                    | 48                  |               |
| 572375 BLONDE LINCOLN DF HILLCREST..... | 38                     | 21                  |               |
| 02-12-54 465966 1558974                 | 38                     | DIFF.               |               |
| AI STUD, 12-03 LISTED, 08-63            | 9,170                  | 9,093               | 478           |
| STATES- 12,13                           | 5.7                    | 77                  | 45            |
| 572418 .....                            | 8                      | 13                  |               |
| STATES- 92                              | 8                      | DIFF.               |               |
| 5 NDN-AI DAUGHTERS                      | 9,186                  | 8,425               | 500           |
| 5 WITH HERD-MATES                       | 5.5                    | 761                 | 9             |
| 572488 .....                            | 7                      | 21                  |               |
| STATES- 91                              | 7                      | DIFF.               |               |
| 6 NDN-AI DAUGHTERS                      | 9,595                  | 9,590               | 555           |
| 6 WITH HERD-MATES                       | 6.0                    | 5                   | 17            |
| 572726 .....                            | 10                     | 14                  |               |
| STATES- 48                              | 10                     | DIFF.               |               |
| 5 NON-AI DAUGHTERS                      | 6,074                  | 6,615               | 381           |
| 5 WITH HERD-MATES                       | 5.9                    | 541-                | 25-           |
| 572864 .....                            | 5                      | 17                  |               |
| STATES- 92                              | 5                      | DIFF.               |               |
| 5 NDN-AI DAUGHTERS                      | 7,264                  | 8,316               | 430           |
| 5 WITH HERD-MATES                       | 5.0                    | 1052-               | 69-           |
| 572947 .....                            | 7                      | 10                  |               |
| STATES- 16                              | 7                      | DIFF.               |               |
| 5 NON-AI DAUGHTERS                      | 8,584                  | 8,428               | 457           |
| 5 WITH HERD-MATES                       | 5.5                    | 156                 | 11            |
| 573137 .....                            | 7                      | 9                   |               |
| STATES- 23                              | 7                      | DIFF.               |               |
| 5 NDN-AI DAUGHTERS                      | 6,235                  | 6,488               | 365           |
| 5 WITH HERD-MATES                       | 5.6                    | 253-                | 18-           |
| 573264 .....                            | 5                      | 49                  |               |
| STATES- 21,23,46,55                     | 5                      | DIFF.               |               |
| 5 NDN-AI DAUGHTERS                      | 7,376                  | 7,711               | 393           |
| 5 WITH HERD-MATES                       | 5.0                    | 335-                | 21-           |
| 573329 .....                            | 8                      | 18                  |               |
| STATES- 23                              | 8                      | DIFF.               |               |
| 5 NON-AI DAUGHTERS                      | 6,742                  | 8,030               | 425           |
| 5 WITH HERD-MATES                       | 5.4                    | 1288-               | 64-           |
| 573385 .....                            | 7                      | 8                   |               |
| STATES- 32                              | 5                      | DIFF.               |               |
| 7 NON-AI DAUGHTERS                      | 6,403                  | 9,176               | 466           |
| 5 WITH HERD-MATES                       | 5.1                    | 2424-               | 120-          |
| 573431 SY8IL ROYAL PREDICTION.....      | 31                     | 9                   |               |
| 03-24-56 467752 1907878                 | 31                     | DIFF.               |               |
| AI STUD, 35-D5 LISTED, D8-63            | 8,993                  | 8,297               | 434           |
| STATES- 35,41,42                        | 5.4                    | 696                 | 54            |
| 573552 .....                            | 7                      | 10                  |               |
| AI STUD, 52-01                          | 7                      | DIFF.               |               |
| STATES- 52                              | 8,746                  | 7,668               | 412           |
| 7 WITH HERD-MATES                       | 5.5                    | 1078                | 71            |
| 573579 .....                            | 6                      | 41                  |               |
| STATES- 13                              | 6                      | DIFF.               |               |
| 6 NON-AI DAUGHTERS                      | 8,750                  | 8,365               | 433           |
| 6 WITH HERD-MATES                       | 4.8                    | 385                 | 15-           |
| 573617 BRAMPTON W. R. LERAS RADAR.....  | 42                     | 21                  |               |
| D8-14-55 475948 D10238975               | 42                     | DIFF.               |               |
| AI STUD, 35-75 LISTED, D8-63            | 8,488                  | 8,833               | 476           |
| STATES- 13                              | 5.8                    | 345-                | 13            |

## SIPES OF OHIA DAUGHTERS

| JERSEY  | AV. PRODUCTION OF |        |      |     | ADJ. HERD-MATES AV. |       |     | PREDICTED AV. |     |
|---|-------------------|--------|------|-----|---------------------|-------|-----|---------------|-----|
|   | RECORDS           | MILK   | TEST | FAU | NUMBER              | MILK  | FAT | MILK          | FAT |
|   | NUMBER            | L8     | %    | L8  |                     | L8    | L8  | L8            | L8  |
| 573639 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 57,58,65                                | 5                 | 8,360  | 4.8  | 402 |                     |       |     |               |     |
|   | 5                 | 8,360  | 4.8  | 402 | 35                  | 7,536 | 368 |               |     |
|   |                   |        |      |     | DIFF.               | 824   | 34  |               |     |
| 573655 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 31                                      | 6                 | 6,465  | 5.3  | 343 |                     |       |     |               |     |
|   | 6                 | 6,465  | 5.3  | 343 | 15                  | 7,360 | 381 |               |     |
|   |                   |        |      |     | DIFF.               | 895-  | 38- |               |     |
| 573695 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 63                                      | 12                | 7,598  | 4.9  | 375 |                     |       |     |               |     |
|   | 12                | 7,598  | 4.9  | 375 | 18                  | 7,027 | 353 |               |     |
|   |                   |        |      |     | DIFF.               | 571   | 22  |               |     |
| 573749 BUTTERNUT TRISTRAM CORDNET.....          |                   |        |      |     |                     |       |     |               |     |
| 07-02-56 537169 1830014 51 AI DAUGHTERS         | 67                | 8,113  | 5.4  | 441 |                     |       |     |               |     |
| AI STUD, 23-04 LISTED, 08-63 51 WITH HERD-MATES | 66                | 8,111  | 5.4  | 441 | 17                  | 8,183 | 437 | 7,874         | 418 |
| STATES- 23                                      |                   |        |      |     | DIFF.               | 72-   | 4   |               |     |
| 573769 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 23                                      | 5                 | 9,447  | 5.3  | 503 |                     |       |     |               |     |
|   | 5                 | 9,447  | 5.3  | 503 | 16                  | 9,796 | 493 |               |     |
|   |                   |        |      |     | DIFF.               | 349-  | 10  |               |     |
| 574008 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 51,55                                   | 5                 | 6,404  | 5.3  | 342 |                     |       |     |               |     |
|   | 5                 | 6,404  | 5.3  | 342 | 24                  | 6,899 | 364 |               |     |
|   |                   |        |      |     | DIFF.               | 495-  | 22- |               |     |
| 574171 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 48                                      | 5                 | 7,761  | 5.0  | 386 |                     |       |     |               |     |
|   | 5                 | 7,761  | 5.0  | 386 | 9                   | 7,643 | 379 |               |     |
|   |                   |        |      |     | DIFF.               | 118   | 7   |               |     |
| 574191 L. C. STANDARD MASTER.....               |                   |        |      |     |                     |       |     |               |     |
| 09-25-56 486937 1505315 13 NON-AI DAUGHTERS     | 23                | 9,689  | 4.9  | 474 |                     |       |     |               |     |
| AI STUD, 35-75 LISTED, 08-63 13 WITH HERD-MATES | 23                | 9,689  | 4.9  | 474 | 48                  | 8,240 | 418 |               |     |
| STATES- 74                                      |                   |        |      |     | DIFF.               | 1449  | 56  |               |     |
| 574194 NOBLEMAIO COMMANDO.....                  |                   |        |      |     |                     |       |     |               |     |
| 12-19-56 561500 1952644 17 AI DAUGHTERS         | 17                | 8,475  | 5.1  | 435 |                     |       |     |               |     |
| AI STUD, 31-02 LISTED, 08-63 17 WITH HERD-MATES | 17                | 8,475  | 5.1  | 435 | 14                  | 8,604 | 448 | 7,875         | 407 |
| STATES- 31                                      |                   |        |      |     | DIFF.               | 129-  | 13- |               |     |
| 574345 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 13                                      | 5                 | 9,417  | 5.7  | 536 |                     |       |     |               |     |
|   | 5                 | 9,417  | 5.7  | 536 | 26                  | 9,624 | 532 |               |     |
|   |                   |        |      |     | DIFF.               | 207-  | 4   |               |     |
| 574356 JOLLY BEACON RADAR.....                  |                   |        |      |     |                     |       |     |               |     |
| 01-01-57 565303 2085625 5 AI DAUGHTERS          | 5                 | 5,530  | 5.3  | 292 |                     |       |     |               |     |
| AI STUD, 65-02 LISTED, 08-63 5 WITH HERD-MATES  | 5                 | 5,530  | 5.3  | 292 | 19                  | 7,074 | 359 | 7,438         | 392 |
| STATES- 34,65                                   |                   |        |      |     | DIFF.               | 1544- | 67- |               |     |
|   | 3                 | 8,298  | 5.9  | 488 |                     |       |     |               |     |
|   | 3                 | 8,298  | 5.9  | 488 | 18                  | 8,521 | 462 |               |     |
|   |                   |        |      |     | DIFF.               | 223-  | 26  |               |     |
| 574447 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 21                                      | 5                 | 6,780  | 5.4  | 364 |                     |       |     |               |     |
|   | 3                 | 6,733  | 5.4  | 362 | 9                   | 7,928 | 408 |               |     |
|   |                   |        |      |     | DIFF.               | 1195- | 46- |               |     |
| 574468 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 74                                      | 5                 | 7,293  | 5.0  | 364 |                     |       |     |               |     |
|   | 5                 | 7,293  | 5.0  | 364 | 4                   | 7,438 | 373 |               |     |
|   |                   |        |      |     | DIFF.               | 145-  | 9-  |               |     |
| 574498 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 74                                      | 5                 | 7,838  | 4.9  | 386 |                     |       |     |               |     |
|   | 5                 | 7,838  | 4.9  | 386 | 83                  | 8,279 | 396 |               |     |
|   |                   |        |      |     | DIFF.               | 441-  | 10- |               |     |
| 574609 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 23,55                                   | 7                 | 7,261  | 5.0  | 365 |                     |       |     |               |     |
|   | 7                 | 7,261  | 5.0  | 365 | 17                  | 8,122 | 413 |               |     |
|   |                   |        |      |     | DIFF.               | 861-  | 48- |               |     |
| 574627 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 13                                      | 6                 | 8,662  | 5.0  | 435 |                     |       |     |               |     |
|   | 6                 | 8,662  | 5.0  | 435 | 22                  | 8,482 | 438 |               |     |
|   |                   |        |      |     | DIFF.               | 180   | 3-  |               |     |
| 574629 MARLU SUPREME FAVORITE.....              |                   |        |      |     |                     |       |     |               |     |
| 09-24-56 506147 1821609 93 AI DAUGHTERS         | 148               | 8,262  | 5.1  | 421 |                     |       |     |               |     |
| AI STUD, 61-01 LISTED, 08-63 90 WITH HERD-MATES | 144               | 8,241  | 5.1  | 420 | 14                  | 8,180 | 416 | 7,987         | 417 |
| STATES- 61,63,84                                |                   |        |      |     | DIFF.               | 61    | 4   |               |     |
|   | 1                 | 7,507  | 5.2  | 394 |                     |       |     |               |     |
|   | 1                 | 7,507  | 5.2  | 394 | 32                  | 9,099 | 472 |               |     |
|   |                   |        |      |     | DIFF.               | 1592- | 78- |               |     |
| 574676 GOLDEN COMMANDO.....                     |                   |        |      |     |                     |       |     |               |     |
| 02-12-57 556092 1578755 24 NON-AI DAUGHTERS     | 26                | 8,951  | 5.4  | 483 |                     |       |     |               |     |
| AI STUD, 31-02 LISTED, 08-63 24 WITH HERD-MATES | 26                | 8,951  | 5.4  | 483 | 10                  | 9,032 | 478 |               |     |
| STATES- 32,33,73                                |                   |        |      |     | DIFF.               | 81-   | 5   |               |     |
| 574714 .....                                    |                   |        |      |     |                     |       |     |               |     |
| STATES- 92                                      | 6                 | 10,539 | 5.4  | 571 |                     |       |     |               |     |
|   | 6                 | 10,539 | 5.4  | 571 | 9                   | 9,900 | 529 |               |     |
|   |                   |        |      |     | DIFF.               | 639   | 42  |               |     |
| 574748 SABLE-S FAVORITE PRIZE.....              |                   |        |      |     |                     |       |     |               |     |
| 11-04-56 556063 2000558 83 AI DAUGHTERS         | 88                | 8,050  | 5.7  | 461 |                     |       |     |               |     |
| AI STUD, 91-01 LISTED, 08-63 81 WITH HERD-MATES | 83                | 8,088  | 5.7  | 462 | 18                  | 8,758 | 471 | 7,401         | 410 |
| STATES- 81,82,91                                |                   |        |      |     | DIFF.               | 670-  | 9-  |               |     |
|   | 1                 | 9,000  | 6.1  | 546 |                     |       |     |               |     |
|   | 1                 | 9,000  | 6.1  | 546 | 2                   | 8,959 | 538 |               |     |
|   |                   |        |      |     | DIFF.               | 41    | 8   |               |     |

## SIRE OF DHIA DAUGHTERS

| JERSEY                       |                                    |    |        | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV.   | PREDICTED AV.       |
|------------------------------|------------------------------------|----|--------|------------------------|-----------------------|---------------------|
|                              |                                    |    |        | REC'DROS MILK TEST FAT | NUMBER MILK LB FAT LB | MILK LB FAT LB      |
| 574752                       | PATHFINDER-S PIONEER.....          |    |        |                        |                       |                     |
| 12-23-56                     | 557868 1796086 18 NON-AI DAUGHTERS | 21 | 9,673  | 5.0                    | 487                   |                     |
| AI STU0, 93-10 LISTED, 08-63 | 18 WITH HERD-MATES                 | 21 | 9,673  | 5.0                    | 487                   |                     |
| STATES- 42,92                |                                    |    |        |                        | 21 DIFF.              | 8,917 470 17        |
| 574936                       | .....                              |    |        |                        |                       |                     |
| STATES- 61                   | 6 NON-AI DAUGHTERS                 | 7  | 7,092  | 5.1                    | 361                   |                     |
|                              | 6 WITH HERD-MATES                  | 7  | 7,092  | 5.1                    | 361                   | 24 DIFF.            |
| 574949                       | .....                              |    |        |                        |                       |                     |
| STATES- 13                   | 14 NON-AI DAUGHTERS                | 14 | 9,592  | 5.2                    | 500                   |                     |
|                              | 14 WITH HERD-MATES                 | 14 | 9,592  | 5.2                    | 500                   | 7 DIFF.             |
| 574951                       | .....                              |    |        |                        |                       |                     |
| STATES- 21                   | 5 NON-AI DAUGHTERS                 | 6  | 8,530  | 5.3                    | 448                   |                     |
|                              | 5 WITH HERD-MATES                  | 6  | 8,530  | 5.3                    | 448                   | 8 DIFF.             |
| 574994                       | BRIGHAM ADVANCER NELSON.....       |    |        |                        |                       |                     |
| 03-23-57                     | 544480 1809498 50 AI DAUGHTERS     | 64 | 8,768  | 5.2                    | 452                   |                     |
| AI STU0, 21-01 LISTED, 08-63 | 49 WITH HERD-MATES                 | 61 | 8,775  | 5.2                    | 455                   |                     |
| STATES- 12,21                |                                    |    |        |                        | 17 DIFF.              | 8,773 455 7,980 416 |
| 575008                       | .....                              |    |        |                        |                       |                     |
| STATES- 31                   | 6 NON-AI DAUGHTERS                 | 6  | 6,698  | 5.2                    | 346                   |                     |
|                              | 6 WITH HERD-MATES                  | 6  | 6,698  | 5.2                    | 346                   | 21 DIFF.            |
| 575068                       | .....                              |    |        |                        |                       |                     |
| STATES- 91,93                | 9 NON-AI DAUGHTERS                 | 10 | 10,472 | 5.9                    | 616                   |                     |
|                              | 9 WITH HERD-MATES                  | 10 | 10,472 | 5.9                    | 616                   | 15 DIFF.            |
| 575104                       | .....                              |    |        |                        |                       |                     |
| STATES- 73                   | 5 NON-AI DAUGHTERS                 | 5  | 7,788  | 5.3                    | 416                   |                     |
|                              | 5 WITH HERD-MATES                  | 5  | 7,788  | 5.3                    | 416                   | 36 DIFF.            |
| 575138                       | .....                              |    |        |                        |                       |                     |
| STATES- 74                   | 12 NON-AI DAUGHTERS                | 12 | 8,516  | 5.1                    | 433                   |                     |
|                              | 12 WITH HERD-MATES                 | 12 | 8,516  | 5.1                    | 433                   | 11 DIFF.            |
| 575162                       | .....                              |    |        |                        |                       |                     |
| STATES- 61                   | 6 NON-AI DAUGHTERS                 | 7  | 5,523  | 5.3                    | 290                   |                     |
|                              | 6 WITH HERD-MATES                  | 7  | 5,523  | 5.3                    | 290                   | 17 DIFF.            |
| 575188                       | .....                              |    |        |                        |                       |                     |
| STATES- 51                   | 8 NON-AI DAUGHTERS                 | 8  | 6,923  | 5.3                    | 369                   |                     |
|                              | 8 WITH HERD-MATES                  | 8  | 6,923  | 5.3                    | 369                   | 20 DIFF.            |
| 575268                       | .....                              |    |        |                        |                       |                     |
| STATES- 56                   | 9 NON-AI DAUGHTERS                 | 9  | 8,464  | 5.3                    | 448                   |                     |
|                              | 9 WITH HERD-MATES                  | 9  | 8,464  | 5.3                    | 448                   | 44 DIFF.            |
| 575318                       | .....                              |    |        |                        |                       |                     |
| STATES- 57,72                | 7 NON-AI DAUGHTERS                 | 7  | 6,616  | 5.2                    | 343                   |                     |
|                              | 7 WITH HERD-MATES                  | 7  | 6,616  | 5.2                    | 343                   | 26 DIFF.            |
| 575329                       | .....                              |    |        |                        |                       |                     |
| STATES- 31                   | 5 NON-AI DAUGHTERS                 | 5  | 8,914  | 4.9                    | 435                   |                     |
|                              | 5 WITH HERD-MATES                  | 5  | 8,914  | 4.9                    | 435                   | 9 DIFF.             |
| 575470                       | .....                              |    |        |                        |                       |                     |
| STATES- 31,61                | 7 NON-AI DAUGHTERS                 | 9  | 7,374  | 5.1                    | 373                   |                     |
|                              | 7 WITH HERD-MATES                  | 8  | 7,276  | 5.1                    | 370                   | 11 DIFF.            |
| 575577                       | .....                              |    |        |                        |                       |                     |
| STATES- 82                   | 7 NON-AI DAUGHTERS                 | 7  | 7,809  | 5.6                    | 441                   |                     |
|                              | 7 WITH HERD-MATES                  | 7  | 7,809  | 5.6                    | 441                   | 20 DIFF.            |
| 575678                       | .....                              |    |        |                        |                       |                     |
| STATES- 31                   | 8 NON-AI DAUGHTERS                 | 8  | 8,583  | 4.7                    | 405                   |                     |
|                              | 8 WITH HERD-MATES                  | 8  | 8,583  | 4.7                    | 405                   | 8 DIFF.             |
| 575723                       | .....                              |    |        |                        |                       |                     |
| STATES- 74                   | 5 NON-AI DAUGHTERS                 | 5  | 5,554  | 5.4                    | 298                   |                     |
|                              | 5 WITH HERD-MATES                  | 5  | 5,554  | 5.4                    | 298                   | 26 DIFF.            |
| 575738                       | .....                              |    |        |                        |                       |                     |
| STATES- 43                   | 6 NON-AI DAUGHTERS                 | 6  | 10,992 | 5.2                    | 569                   |                     |
|                              | 6 WITH HERD-MATES                  | 6  | 10,992 | 5.2                    | 569                   | 9 DIFF.             |
| 575772                       | .....                              |    |        |                        |                       |                     |
| STATES- 21                   | 6 NON-AI DAUGHTERS                 | 8  | 8,970  | 5.3                    | 471                   |                     |
|                              | 6 WITH HERD-MATES                  | 8  | 8,970  | 5.3                    | 471                   | 11 DIFF.            |
| 575795                       | .....                              |    |        |                        |                       |                     |
| STATES- 34                   | 5 NON-AI DAUGHTERS                 | 6  | 8,040  | 5.6                    | 447                   |                     |
|                              | 5 WITH HERD-MATES                  | 6  | 8,040  | 5.6                    | 447                   | 17 DIFF.            |



## SIREs OF DHIA DAUGHTERS

| JERSEY                       |                                |                     | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK LB | TEST<br>% | DAU.<br>FAT LB | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK LB | FAT LB |
|------------------------------|--------------------------------|---------------------|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 575903                       | .....                          | 8 NON-AI DAUGHTERS  | 8                     | 8,264                    | 4.8       | 395            |                    |                       |               |                          |        |
| STATES- 33                   | 8 WITH HERD-MATES              | 8                   | 8,264                 | 4.8                      | 395       |                | 4 DIFF.            | 8,204 60              | 422 27-       |                          |        |
| 575905                       | OAK KNOLL RECORDS.....         |                     |                       |                          |           |                |                    |                       |               |                          |        |
| 11-04-56                     | 537666 1954631                 | 52 AI DAUGHTERS     | 65                    | 8,627                    | 5.0       | 435            |                    |                       |               |                          |        |
| AI STUD, 31-02 LISTED, 08-63 | 52 WITH HERD-MATES             | 65                  | 8,627                 | 5.0                      | 435       |                | 13 DIFF.           | 8,317 310             | 432 3         | 8,194                    | 417    |
| STATES- 31                   |                                |                     |                       |                          |           |                |                    |                       |               |                          |        |
| 575920                       | .....                          | 6 NON-AI DAUGHTERS  | 6                     | 6,663                    | 5.5       | 367            |                    |                       |               |                          |        |
| STATES- 31                   | 6 WITH HERD-MATES              | 6                   | 6,663                 | 5.5                      | 367       |                | 16 DIFF.           | 8,772 2109-           | 461 94-       |                          |        |
| 575947                       | .....                          | 7 NON-AI DAUGHTERS  | 9                     | 8,587                    | 5.4       | 460            |                    |                       |               |                          |        |
| STATES- 55                   | 7 WITH HERD-MATES              | 9                   | 8,587                 | 5.4                      | 460       |                | 10 DIFF.           | 9,045 458-            | 460           |                          |        |
| 575972                       | .....                          | 8 NON-AI DAUGHTERS  | 8                     | 8,688                    | 5.2       | 451            |                    |                       |               |                          |        |
| STATES- 32                   | 8 WITH HERD-MATES              | 8                   | 8,688                 | 5.2                      | 451       |                | 6 DIFF.            | 8,225 463             | 422 29        |                          |        |
| 576044                       | .....                          | 6 NON-AI DAUGHTERS  | 6                     | 5,665                    | 4.7       | 269            |                    |                       |               |                          |        |
| STATES- 64                   | 6 WITH HERD-MATES              | 6                   | 5,665                 | 4.7                      | 269       |                | 29 DIFF.           | 5,959 294-            | 271 2-        |                          |        |
| 576077                       | .....                          | 6 NON-AI DAUGHTERS  | 8                     | 8,286                    | 5.3       | 442            |                    |                       |               |                          |        |
| STATES- 42                   | 6 WITH HERD-MATES              | 8                   | 8,286                 | 5.3                      | 442       |                | 8 DIFF.            | 7,095 1191            | 400 42        |                          |        |
| 576177                       | .....                          | 5 NON-AI DAUGHTERS  | 6                     | 8,851                    | 5.9       | 519            |                    |                       |               |                          |        |
| STATES- 34,63                | 4 WITH HERD-MATES              | 5                   | 10,341                | 5.9                      | 613       |                | 40 DIFF.           | 10,807 466-           | 583 30        |                          |        |
| 576241                       | .....                          | 5 NON-AI DAUGHTERS  | 7                     | 6,350                    | 5.3       | 337            |                    |                       |               |                          |        |
| STATES- 13                   | 5 WITH HERD-MATES              | 7                   | 6,350                 | 5.3                      | 337       |                | 11 DIFF.           | 6,466 116-            | 338 1-        |                          |        |
| 576361                       | .....                          | 8 NON-AI DAUGHTERS  | 8                     | 7,384                    | 5.2       | 381            |                    |                       |               |                          |        |
| STATES- 14                   | 8 WITH HERD-MATES              | 8                   | 7,384                 | 5.2                      | 381       |                | 5 DIFF.            | 7,456 72-             | 414 33-       |                          |        |
| 576527                       | .....                          | 9 NON-AI DAUGHTERS  | 9                     | 6,318                    | 5.1       | 321            |                    |                       |               |                          |        |
| STATES- 61                   | 9 WITH HERD-MATES              | 9                   | 6,318                 | 5.1                      | 321       |                | 16 DIFF.           | 6,449 131-            | 311 10        |                          |        |
| 576593                       | .....                          | 9 NON-AI DAUGHTERS  | 12                    | 7,247                    | 5.6       | 408            |                    |                       |               |                          |        |
| STATES- 21,31                | 9 WITH HERD-MATES              | 12                  | 7,247                 | 5.6                      | 408       |                | 25 DIFF.           | 8,745 1498-           | 463 55-       |                          |        |
| 576738                       | .....                          | 10 NON-AI DAUGHTERS | 10                    | 8,185                    | 5.7       | 467            |                    |                       |               |                          |        |
| STATES- 82                   | 10 WITH HERD-MATES             | 10                  | 8,185                 | 5.7                      | 467       |                | 20 DIFF.           | 7,769 416             | 435 32        |                          |        |
| 576863                       | .....                          | 5 NON-AI DAUGHTERS  | 5                     | 7,556                    | 5.0       | 379            |                    |                       |               |                          |        |
| STATES- 92                   | 5 WITH HERD-MATES              | 5                   | 7,556                 | 5.0                      | 379       |                | 12 DIFF.           | 7,482 74              | 373 6         |                          |        |
| 576913                       | .....                          | 5 NON-AI DAUGHTERS  | 6                     | 9,457                    | 5.3       | 502            |                    |                       |               |                          |        |
| STATES- 13,32,51             | 5 WITH HERD-MATES              | 6                   | 9,457                 | 5.3                      | 502       |                | 8 DIFF.            | 8,966 491             | 461 41        |                          |        |
| 577026                       | MARLU MANNEQUIN MILESTONE..... |                     |                       |                          |           |                |                    |                       |               |                          |        |
| 12-24-56                     | 563805 2092105                 | 20 NON-AI DAUGHTERS | 29                    | 9,915                    | 5.5       | 544            |                    |                       |               |                          |        |
| AI STUD, 41-25 LISTED, 08-63 | 20 WITH HERD-MATES             | 29                  | 9,915                 | 5.5                      | 544       |                | 15 DIFF.           | 8,605 1310            | 465 79        |                          |        |
| STATES- 48                   |                                |                     |                       |                          |           |                |                    |                       |               |                          |        |
| 577027                       | .....                          | 7 NON-AI DAUGHTERS  | 7                     | 8,119                    | 5.1       | 412            |                    |                       |               |                          |        |
| STATES- 56                   | 7 WITH HERD-MATES              | 7                   | 8,119                 | 5.1                      | 412       |                | 24 DIFF.           | 7,877 242             | 393 19        |                          |        |
| 577028                       | .....                          | 12 AI DAUGHTERS     | 12                    | 6,675                    | 5.3       | 356            |                    |                       |               |                          |        |
| AI STUD, 65-02               | 12 WITH HERD-MATES             | 12                  | 6,675                 | 5.3                      | 356       |                | 22 DIFF.           | 6,790 115-            | 342 14        | 7,796                    | 417    |
| STATES- 65                   |                                |                     |                       |                          |           |                |                    |                       |               |                          |        |
| 577058                       | .....                          | 9 NON-AI DAUGHTERS  | 9                     | 8,910                    | 4.8       | 432            |                    |                       |               |                          |        |
| STATES- 74                   | 9 WITH HERD-MATES              | 9                   | 8,910                 | 4.8                      | 432       |                | 26 DIFF.           | 8,354 556             | 404 28        |                          |        |
| 577114                       | .....                          | 6 NON-AI DAUGHTERS  | 7                     | 7,412                    | 5.8       | 431            |                    |                       |               |                          |        |
| STATES- 31                   | 6 WITH HERD-MATES              | 7                   | 7,412                 | 5.8                      | 431       |                | 21 DIFF.           | 8,837 1425-           | 468 37-       |                          |        |
| 577198                       | .....                          | 8 NON-AI DAUGHTERS  | 8                     | 8,081                    | 5.8       | 466            |                    |                       |               |                          |        |
| STATES- 91                   | 8 WITH HERD-MATES              | 8                   | 8,081                 | 5.8                      | 466       |                | 6 DIFF.            | 9,399 1318-           | 516 50-       |                          |        |

## SIRE OF DHIA DAUGHTERS

| JERSEY              |                                |                     | AV. RECORDS | PRDUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---------------------|--------------------------------|---------------------|-------------|----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 577208              | .....                          | 6 NDN-AI DAUGHTERS  | 6           | 9,440                | 4.9    | 465         |                 |                    |            |                   |            |
| STATES- 21          |                                | 6 WITH HERD-MATES   | 6           | 9,440                | 4.9    | 465         | 4 DIFF.         | 8,371 1069         | 445 20     |                   |            |
| 577220              | .....                          | 5 NDN-AI DAUGHTERS  | 6           | 7,443                | 4.8    | 355         |                 |                    |            |                   |            |
| STATES- 52          |                                | 5 WITH HERD-MATES   | 6           | 7,443                | 4.8    | 355         | 26 DIFF.        | 6,296 1147         | 334 21     |                   |            |
| 577237              | CHAMPIONS DDU8LE.....          |                     |             |                      |        |             |                 |                    |            |                   |            |
| 04-17-56            | 519828 1823982                 | 51 AI DAUGHTERS     | 61          | 9,317                | 5.4    | 505         |                 |                    |            |                   |            |
| AI STUD, 92-01      | LISTED, 08-63                  | 50 WITH HERD-MATES  | 60          | 9,302                | 5.4    | 504         | 19 DIFF.        | 9,383 81-          | 482 22     | 7,963             | 436        |
| STATES- 92          |                                | 1 NDN-AI DAUGHTERS  | 2           | 8,615                | 5.8    | 497         |                 |                    |            |                   |            |
|                     |                                | 1 WITH HERD-MATES   | 2           | 8,615                | 5.8    | 497         | 30 DIFF.        | 10,001 1386-       | 553 56-    |                   |            |
| 577246              | .....                          | 6 NON-AI DAUGHTERS  | 6           | 7,150                | 5.0    | 356         |                 |                    |            |                   |            |
| STATES- 55          |                                | 6 WITH HERD-MATES   | 6           | 7,150                | 5.0    | 356         | 4 DIFF.         | 7,591 441-         | 384 28-    |                   |            |
| 577248              | .....                          | 10 NDN-AI DAUGHTERS | 10          | 7,390                | 5.8    | 427         |                 |                    |            |                   |            |
| STATES- 51          |                                | 9 WITH HERD-MATES   | 9           | 7,668                | 5.8    | 443         | 9 DIFF.         | 7,616 52           | 438 5      |                   |            |
| 577289              | .....                          | 5 NDN-AI DAUGHTERS  | 6           | 8,976                | 5.1    | 458         |                 |                    |            |                   |            |
| STATES- 42          |                                | 5 WITH HERD-MATES   | 6           | 8,976                | 5.1    | 458         | 9 DIFF.         | 8,720 256          | 433 25     |                   |            |
| 577311              | .....                          | 6 NON-AI DAUGHTERS  | 7           | 9,176                | 4.6    | 424         |                 |                    |            |                   |            |
| STATES- 64          |                                | 6 WITH HERD-MATES   | 7           | 9,176                | 4.6    | 424         | 10 DIFF.        | 9,917 741-         | 460 36-    |                   |            |
| 577328              | .....                          | 8 NDN-AI DAUGHTERS  | 8           | 8,975                | 5.2    | 466         |                 |                    |            |                   |            |
| STATES- 52          |                                | 8 WITH HERD-MATES   | 8           | 8,975                | 5.2    | 466         | 19 DIFF.        | 7,047 1928         | 358 108    |                   |            |
| 577388              | TRUE TRAIL BLAZER.....         |                     |             |                      |        |             |                 |                    |            |                   |            |
| 05-05-57            | 503554 1836567                 | 39 AI DAUGHTERS     | 41          | 8,535                | 5.4    | 465         |                 |                    |            |                   |            |
| AI STUD, 21-01      | LISTED, 08-63                  | 37 WITH HERD-MATES  | 39          | 8,503                | 5.5    | 464         | 13 DIFF.        | 8,681 178-         | 451 13     | 7,834             | 426        |
| STATES- 13,21,23    |                                | 1 NDN-AI DAUGHTERS  | 1           | 9,840                | 5.3    | 518         |                 |                    |            |                   |            |
|                     |                                | 1 WITH HERD-MATES   | 1           | 9,840                | 5.3    | 518         | 36 DIFF.        | 8,867 973          | 486 32     |                   |            |
| 577454              | .....                          | 9 NON-AI DAUGHTERS  | 11          | 6,664                | 5.5    | 367         |                 |                    |            |                   |            |
| STATES- 31,32       |                                | 9 WITH HERD-MATES   | 11          | 6,664                | 5.5    | 367         | 9 DIFF.         | 8,035 1371-        | 408 41-    |                   |            |
| 577474              | SY8IL CARLETTA-S FINALIST..... |                     |             |                      |        |             |                 |                    |            |                   |            |
| 05-25-57            | 480642 1563732                 | 21 AI DAUGHTERS     | 24          | 9,671                | 5.1    | 497         |                 |                    |            |                   |            |
| AI STUD, 12-03      | LISTED, 01-63                  | 20 WITH HERD-MATES  | 23          | 9,668                | 5.2    | 499         | 16 DIFF.        | 9,364 304          | 495 4      | 8,188             | 420        |
| STATES- 12,13       |                                |                     |             |                      |        |             |                 |                    |            |                   |            |
| 577650              | .....                          | 5 NDN-AI DAUGHTERS  | 6           | 7,810                | 4.9    | 383         |                 |                    |            |                   |            |
| STATES- 11          |                                | 5 WITH HERD-MATES   | 6           | 7,810                | 4.9    | 383         | 20 DIFF.        | 7,202 608          | 369 14     |                   |            |
| 577660              | .....                          | 7 NDN-AI DAUGHTERS  | 7           | 6,129                | 5.1    | 310         |                 |                    |            |                   |            |
| STATES- 12          |                                | 7 WITH HERD-MATES   | 7           | 6,129                | 5.1    | 310         | 3 DIFF.         | 6,768 639-         | 320 10-    |                   |            |
| 577688              | .....                          | 7 NDN-AI DAUGHTERS  | 12          | 7,354                | 5.3    | 392         |                 |                    |            |                   |            |
| STATES- 13          |                                | 7 WITH HERD-MATES   | 12          | 7,354                | 5.3    | 392         | 19 DIFF.        | 8,615 1261-        | 417 25-    |                   |            |
| 577710              | .....                          | 8 AI DAUGHTERS      | 8           | 7,640                | 5.3    | 408         |                 |                    |            |                   |            |
| AI STUD, 65-04      |                                | 8 WITH HERD-MATES   | 8           | 7,640                | 5.3    | 408         | 43 DIFF.        | 7,716 76-          | 414 6-     | 7,872             | 411        |
| STATES- 65          |                                |                     |             |                      |        |             |                 |                    |            |                   |            |
| 577799              | .....                          | 8 NDN-AI DAUGHTERS  | 10          | 8,996                | 5.4    | 490         |                 |                    |            |                   |            |
| STATES- 92          |                                | 8 WITH HERD-MATES   | 10          | 8,996                | 5.4    | 490         | 7 DIFF.         | 8,838 158          | 476 14     |                   |            |
| 577958              | ADVANCER BASIL LDRO.....       |                     |             |                      |        |             |                 |                    |            |                   |            |
| 12-17-56            | 493165 2222747                 | 17 NDN-AI DAUGHTERS | 17          | 9,326                | 5.4    | 501         |                 |                    |            |                   |            |
| AI STUD, 11-01      | LISTED, 08-63                  | 17 WITH HERD-MATES  | 17          | 9,326                | 5.4    | 501         | 14 DIFF.        | 9,104 222          | 508 7-     |                   |            |
| STATES- 13,16       |                                |                     |             |                      |        |             |                 |                    |            |                   |            |
| 577972              | .....                          | 5 NDN-AI DAUGHTERS  | 5           | 7,378                | 5.3    | 394         |                 |                    |            |                   |            |
| STATES- 12,16,31,51 |                                | 5 WITH HERD-MATES   | 5           | 7,378                | 5.3    | 394         | 18 DIFF.        | 8,875 1497-        | 455 61-    |                   |            |
| 578119              | .....                          | 6 AI DAUGHTERS      | 8           | 7,890                | 5.1    | 403         |                 |                    |            |                   |            |
| AI STUD, 65-02      |                                | 6 WITH HERD-MATES   | 7           | 8,043                | 5.2    | 416         | 11 DIFF.        | 7,992 51           | 401 15     | 7,929             | 418        |
| STATES- 65          |                                |                     |             |                      |        |             |                 |                    |            |                   |            |
| 578146              | .....                          | 7 NDN-AI DAUGHTERS  | 8           | 8,648                | 5.2    | 447         |                 |                    |            |                   |            |
| STATES- 56,57       |                                | 7 WITH HERD-MATES   | 8           | 8,648                | 5.2    | 447         | 51 DIFF.        | 8,303 345          | 434 13     |                   |            |

## SIRE OF DHIA DAUGHTERS

| JERSEY                       |                              |                     | AV. PRODUCTION OF | DAU.  | ADJ. HERO-MATES | AV. | PREDICTED   | AV.                                      |
|------------------------------|------------------------------|---------------------|-------------------|-------|-----------------|-----|-------------|--|
|                              |                              |                     | RECORDS           | MILK  | TEST            | FAT | MILK        | FAT                                      |
|                              |                              |                     | NUMBER            | LB    | %               | LB  | LB          | LB                                       |
| 578158                       | .....                        | 5 NON-AI DAUGHTERS  | 5                 | 7,622 | 4.9             | 375 |             |  |
| STATES- 63                   |                              | 5 WITH HERD-MATES   | 5                 | 7,622 | 4.9             | 375 | 42<br>DIFF. | 7,765<br>143-<br>384<br>9-               |
| 578235                       | .....                        | 15 NON-AI DAUGHTERS | 16                | 8,220 | 5.9             | 489 |             |  |
| STATES- 23                   |                              | 15 WITH HERD-MATES  | 16                | 8,220 | 5.9             | 489 | 14<br>DIFF. | 7,834<br>386<br>432<br>57                |
| 578237                       | SECRET COURAGE.....          | 19 AI DAUGHTERS     | 19                | 8,629 | 5.0             | 433 |             |  |
| 10-05-57 497574 1875664      |                              | 18 WITH HERD-MATES  | 18                | 8,555 | 5.0             | 432 | 15<br>DIFF. | 8,570<br>15-<br>432<br>7,941 414         |
| AI STUO, 31-02 LISTED, 08-63 |                              |                     |                   |       |                 |     |             |  |
| STATES- 31                   |                              |                     |                   |       |                 |     |             |  |
| 578259                       | .....                        | 6 NON-AI DAUGHTERS  | 6                 | 8,408 | 5.5             | 460 |             |  |
| STATES- 31                   |                              | 6 WITH HERD-MATES   | 6                 | 8,408 | 5.5             | 460 | 8<br>DIFF.  | 7,422<br>986<br>385<br>75                |
| 578264                       | .....                        | 5 NON-AI DAUGHTERS  | 5                 | 8,982 | 5.5             | 493 |             |  |
| STATES- 43                   |                              | 5 WITH HERD-MATES   | 5                 | 8,982 | 5.5             | 493 | 50<br>DIFF. | 9,160<br>178-<br>496<br>3-               |
| 578273                       | .....                        | 5 NON-AI DAUGHTERS  | 5                 | 8,882 | 5.5             | 490 |             |  |
| STATES- 23                   |                              | 5 WITH HERD-MATES   | 5                 | 8,882 | 5.5             | 490 | 26<br>DIFF. | 9,237<br>355-<br>471<br>19               |
| 578327                       | .....                        | 7 NON-AI DAUGHTERS  | 7                 | 8,327 | 5.5             | 455 |             |  |
| STATES- 88                   |                              | 7 WITH HERD-MATES   | 7                 | 8,327 | 5.5             | 455 | 14<br>DIFF. | 7,954<br>373<br>443<br>12                |
| 578341                       | .....                        | 6 NON-AI DAUGHTERS  | 6                 | 5,870 | 5.3             | 313 |             |  |
| STATES- 61                   |                              | 6 WITH HERD-MATES   | 6                 | 5,870 | 5.3             | 313 | 14<br>DIFF. | 5,109<br>761<br>282<br>31                |
| 578382                       | D8SERVER SIGNAL REVIVAL..... | 11 AI DAUGHTERS     | 12                | 9,460 | 5.1             | 480 |             |  |
| 12-22-56 419248 2075775      |                              | 11 WITH HERD-MATES  | 12                | 9,460 | 5.1             | 480 | 13<br>DIFF. | 7,595<br>1865<br>397<br>83<br>8,772 451  |
| AI STUO, 48-01 LISTED, 08-63 |                              |                     |                   |       |                 |     |             |  |
| STATES- 23,48                |                              |                     |                   |       |                 |     |             |  |
| 578393                       | .....                        | 8 NON-AI DAUGHTERS  | 10                | 9,401 | 5.0             | 471 |             |  |
| STATES- 47                   |                              | 7 WITH HERD-MATES   | 8                 | 9,843 | 5.0             | 493 | 2<br>DIFF.  | 8,340<br>1503<br>427<br>66               |
| 578424                       | .....                        | 8 NON-AI DAUGHTERS  | 8                 | 6,986 | 5.6             | 389 |             |  |
| STATES- 23                   |                              | 8 WITH HERD-MATES   | 8                 | 6,986 | 5.6             | 389 | 24<br>DIFF. | 8,892<br>1906-<br>471<br>82-             |
| 578425                       | .....                        | 8 NON-AI DAUGHTERS  | 8                 | 9,360 | 6.0             | 563 |             |  |
| STATES- 31                   |                              | 8 WITH HERD-MATES   | 8                 | 9,360 | 6.0             | 563 | 5<br>DIFF.  | 9,342<br>18<br>563                       |
| 578733                       | .....                        | 7 NON-AI DAUGHTERS  | 9                 | 6,374 | 5.4             | 342 |             |  |
| STATES- 73                   |                              | 7 WITH HERD-MATES   | 9                 | 6,374 | 5.4             | 342 | 9<br>DIFF.  | 8,111<br>1737-<br>422<br>80-             |
| 578768                       | .....                        | 7 NON-AI DAUGHTERS  | 7                 | 5,399 | 5.7             | 306 |             |  |
| STATES- 87                   |                              | 7 WITH HERD-MATES   | 7                 | 5,399 | 5.7             | 306 | 7<br>DIFF.  | 5,914<br>515-<br>310<br>4-               |
| 578820                       | .....                        | 6 NON-AI DAUGHTERS  | 6                 | 7,807 | 5.5             | 429 |             |  |
| STATES- 31                   |                              | 6 WITH HERD-MATES   | 6                 | 7,807 | 5.5             | 429 | 25<br>DIFF. | 8,978<br>1171-<br>479<br>50-             |
| 578839                       | .....                        | 6 NON-AI DAUGHTERS  | 6                 | 7,738 | 5.0             | 385 |             |  |
| STATES- 23                   |                              | 6 WITH HERD-MATES   | 6                 | 7,738 | 5.0             | 385 | 11<br>DIFF. | 8,460<br>722-<br>451<br>66-              |
| 578842                       | .....                        | 8 NON-AI DAUGHTERS  | 9                 | 8,558 | 4.9             | 419 |             |  |
| STATES- 63,65                |                              | 8 WITH HERD-MATES   | 9                 | 8,558 | 4.9             | 419 | 35<br>DIFF. | 8,332<br>226<br>415<br>4                 |
| 578862                       | .....                        | 7 NON-AI DAUGHTERS  | 7                 | 7,777 | 4.9             | 383 |             |  |
| STATES- 63,65                |                              | 7 WITH HERD-MATES   | 7                 | 7,777 | 4.9             | 383 | 33<br>DIFF. | 8,335<br>558-<br>416<br>33-              |
| 578890                       | MARLU DANDY SUPREME.....     | 145 AI DAUGHTERS    | 170               | 7,473 | 5.0             | 373 |             |  |
| 07-04-57 506147 1748310      |                              | 140 WITH HERD-MATES | 165               | 7,480 | 5.0             | 374 | 15<br>DIFF. | 8,394<br>914-<br>440<br>66-<br>7,113 355 |
| AI STUO, 21-01 LISTED, 08-63 |                              |                     |                   |       |                 |     |             |  |
| STATES- 13,21,23,64,85       |                              |                     |                   |       |                 |     |             |  |
| 578908                       | .....                        | 5 NON-AI DAUGHTERS  | 5                 | 8,502 | 5.2             | 440 |             |  |
| STATES- 33                   |                              | 4 WITH HERD-MATES   | 4                 | 8,853 | 5.3             | 471 | 2<br>DIFF.  | 7,298<br>1555<br>394<br>77               |
| 578958                       | .....                        | 7 NON-AI DAUGHTERS  | 7                 | 8,001 | 5.0             | 399 |             |  |
| STATES- 92                   |                              | 7 WITH HERD-MATES   | 7                 | 8,001 | 5.0             | 399 | 7<br>DIFF.  | 8,062<br>61-<br>428<br>29-               |



## SIRE OF DHIA DAUGHTERS

| JERSEY                               |  |  |  | AV. RECORDS NUMBER | PRODUCTION MILK L8 | OF TEST % | OAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT LB | PREDICTED MILK L8 | AV. FAT LB |           |
|--------------------------------------|--|--|--|--------------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|-----------|
| 579125 BRAMPTON BASIL CAROM.....     |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
| 01-26-57 010121754 010271324         |  |  |  | 15                 | AI DAUGHTERS       | 16        | 8,426       | 5.0             | 423                |            |                   |            |           |
| AI STUO, 91-01 LISTEO, 08-63         |  |  |  | 14                 | WITH HERD-MATES    | 15        | 8,450       | 5.0             | 423                | 12 OIFF.   | 8,852 402-        | 479 56-    | 7,747 387 |
| STATES- 81,91,92                     |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
| 579205 MARLU MILKMAN IDOL.....       |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
| 10-07-57 550331 2057465              |  |  |  | 65                 | AI DAUGHTERS       | 72        | 8,146       | 5.2             | 421                |            |                   |            |           |
| AI STUO, 21-01 LISTEO, 08-63         |  |  |  | 65                 | WITH HERD-MATES    | 72        | 8,146       | 5.2             | 421                | 17 OIFF.   | 8,551 405-        | 443 22-    | 7,624 397 |
| STATES- 13,16,21                     |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
| 579265 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 5                  | NON-AI DAUGHTERS   | 6         | 7,320       | 5.2             | 378                |            |                   |            |           |
| STATES- 13,14                        |  |  |  | 5                  | WITH HERD-MATES    | 6         | 7,320       | 5.2             | 378                | 18 OIFF.   | 8,845 1525-       | 456 78-    |           |
| 579266 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 5                  | NON-AI DAUGHTERS   | 7         | 9,628       | 5.7             | 544                |            |                   |            |           |
| STATES- 91,92                        |  |  |  | 5                  | WITH HERD-MATES    | 7         | 9,628       | 5.7             | 544                | 32 DIFF.   | 9,366 262         | 527 17     |           |
| 579316 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 9                  | NON-AI DAUGHTERS   | 13        | 8,333       | 5.5             | 460                |            |                   |            |           |
| STATES- 42                           |  |  |  | 9                  | WITH HERD-MATES    | 13        | 8,333       | 5.5             | 460                | 12 OIFF.   | 7,465 868         | 405 55     |           |
| 579317 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 9                  | NON-AI DAUGHTERS   | 10        | 5,596       | 5.0             | 280                |            |                   |            |           |
| AI STUO, 43-02                       |  |  |  | 9                  | WITH HERD-MATES    | 10        | 5,596       | 5.0             | 280                | 35 OIFF.   | 6,134 538-        | 307 27-    |           |
| STATES- 56                           |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
| 579353 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 10                 | NON-AI DAUGHTERS   | 10        | 7,251       | 5.8             | 423                |            |                   |            |           |
| STATES- 87                           |  |  |  | 10                 | WITH HERD-MATES    | 10        | 7,251       | 5.8             | 423                | 23 OIFF.   | 7,215 36          | 402 21     |           |
| 579391 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 5                  | NON-AI DAUGHTERS   | 6         | 4,706       | 4.8             | 227                |            |                   |            |           |
| STATES- 55                           |  |  |  | 5                  | WITH HERD-MATES    | 6         | 4,706       | 4.8             | 227                | 60 OIFF.   | 6,534 1828-       | 337 110-   |           |
| 579410 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 10                 | NON-AI DAUGHTERS   | 10        | 11,347      | 5.0             | 570                |            |                   |            |           |
| STATES- 32                           |  |  |  | 10                 | WITH HERD-MATES    | 10        | 11,347      | 5.0             | 570                | 9 DIFF.    | 8,524 2823        | 421 149    |           |
| 579479 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 7                  | NON-AI DAUGHTERS   | 7         | 6,159       | 5.0             | 306                |            |                   |            |           |
| STATES- 55                           |  |  |  | 7                  | WITH HERD-MATES    | 7         | 6,159       | 5.0             | 306                | 17 OIFF.   | 7,070 911-        | 349 43-    |           |
| 579515 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 8                  | NON-AI DAUGHTERS   | 8         | 5,968       | 5.4             | 322                |            |                   |            |           |
| STATES- 58                           |  |  |  | 8                  | WITH HERD-MATES    | 8         | 5,968       | 5.4             | 322                | 60 OIFF.   | 7,445 1477-       | 370 48-    |           |
| 579544 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 5                  | NON-AI DAUGHTERS   | 6         | 10,398      | 5.1             | 527                |            |                   |            |           |
| STATES- 21                           |  |  |  | 5                  | WITH HERD-MATES    | 6         | 10,398      | 5.1             | 527                | 15 DIFF.   | 8,853 1545        | 425 102    |           |
| 579560 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 5                  | NON-AI DAUGHTERS   | 5         | 7,932       | 4.8             | 381                |            |                   |            |           |
| STATES- 91,93                        |  |  |  | 5                  | WITH HERD-MATES    | 5         | 7,932       | 4.8             | 381                | 19 OIFF.   | 8,851 919-        | 452 71-    |           |
| 579586 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 11                 | NON-AI DAUGHTERS   | 11        | 5,400       | 5.6             | 303                |            |                   |            |           |
| STATES- 42                           |  |  |  | 11                 | WITH HERD-MATES    | 11        | 5,400       | 5.6             | 303                | 5 OIFF.    | 6,054 654-        | 328 25-    |           |
| 579607 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 7                  | NON-AI DAUGHTERS   | 7         | 7,779       | 5.1             | 398                |            |                   |            |           |
| STATES- 54                           |  |  |  | 7                  | WITH HERD-MATES    | 7         | 7,779       | 5.1             | 398                | 13 DIFF.   | 7,403 376         | 391 7      |           |
| 579620 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 5                  | NON-AI DAUGHTERS   | 5         | 5,992       | 5.6             | 338                |            |                   |            |           |
| STATES- 52                           |  |  |  | 5                  | WITH HERD-MATES    | 5         | 5,992       | 5.6             | 338                | 16 OIFF.   | 7,462 1470-       | 400 62-    |           |
| 579695 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 8                  | NON-AI DAUGHTERS   | 8         | 7,960       | 5.3             | 425                |            |                   |            |           |
| STATES- 56                           |  |  |  | 8                  | WITH HERD-MATES    | 8         | 7,960       | 5.3             | 425                | 23 OIFF.   | 8,147 187-        | 399 26     |           |
| 579699 MARLU FAVORITE MILESTONE..... |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
| 01-21-58 563805 1821595              |  |  |  | 13                 | AI DAUGHTERS       | 13        | 7,025       | 4.8             | 340                |            |                   |            |           |
| AI STUO, 51-02 LISTEO, 08-63         |  |  |  | 13                 | WITH HERD-MATES    | 13        | 7,025       | 4.8             | 340                | 16 OIFF.   | 7,206 181-        | 369 29-    | 7,779 396 |
| STATES- 42,51,54,56                  |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
| 579849 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 12                 | NON-AI DAUGHTERS   | 13        | 6,442       | 4.9             | 316                |            |                   |            |           |
| STATES- 65                           |  |  |  | 12                 | WITH HERD-MATES    | 13        | 6,442       | 4.9             | 316                | 94 OIFF.   | 7,136 694-        | 347 31-    |           |
| 579933 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 7                  | NON-AI DAUGHTERS   | 19        | 7,785       | 5.6             | 439                |            |                   |            |           |
| STATES- 92                           |  |  |  | 7                  | WITH HERD-MATES    | 19        | 7,785       | 5.6             | 439                | 9 OIFF.    | 7,640 145         | 394 45     |           |
| 579936 .....                         |  |  |  |                    |                    |           |             |                 |                    |            |                   |            |           |
|                                      |  |  |  | 5                  | NON-AI DAUGHTERS   | 5         | 5,582       | 5.4             | 301                |            |                   |            |           |
| STATES- 74                           |  |  |  | 5                  | WITH HERD-MATES    | 5         | 5,582       | 5.4             | 301                | 22 OIFF.   | 7,381 1799-       | 370 69-    |           |

## SIRE OF OHIA DAUGHTERS

| JERSEY                                  | AV. PRODUCTION OF |        |      |     | DAU.   |        |     | ADJ. HERD-MATES AV. |        |      | PREDICTED AV. |     |
|---|-------------------|--------|------|-----|--------|--------|-----|---------------------|--------|------|---------------|-----|
|   | RECORDS           | MILK   | TEST | FAT | NUMBER | L8     | %   | NUMBER              | MILK   | FAT  | MILK          | FAT |
| 580033 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 42,43                           | 7                 | 8,376  | 5.1  | 431 | 8      | 8,376  | 5.1 | 8                   | 7,002  | 368  |               |     |
|   | 7                 | 8,376  | 5.1  | 431 | 8      | 8,376  | 5.1 | DIFF.               | 1374   | 63   |               |     |
| 580049 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 13                              | 5                 | 7,364  | 5.6  | 409 | 5      | 7,364  | 5.6 | 9                   | 6,717  | 381  |               |     |
|   | 5                 | 7,364  | 5.6  | 409 | 5      | 7,364  | 5.6 | DIFF.               | 647    | 28   |               |     |
| 580067 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 11                              | 5                 | 5,197  | 5.3  | 275 | 7      | 5,197  | 5.3 | 3                   | 8,218  | 423  |               |     |
|   | 5                 | 5,197  | 5.3  | 275 | 7      | 5,197  | 5.3 | DIFF.               | 3021-  | 148- |               |     |
| 580121 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 13                              | 5                 | 6,794  | 5.5  | 376 | 5      | 6,794  | 5.5 | 6                   | 6,491  | 348  |               |     |
|   | 5                 | 6,794  | 5.5  | 376 | 5      | 6,794  | 5.5 | DIFF.               | 303    | 28   |               |     |
| 580137 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 56                              | 9                 | 8,213  | 5.6  | 462 | 11     | 8,213  | 5.6 | 30                  | 8,159  | 429  |               |     |
|   | 9                 | 8,213  | 5.6  | 462 | 11     | 8,213  | 5.6 | DIFF.               | 54     | 33   |               |     |
| 580147 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 31                              | 6                 | 10,467 | 5.2  | 542 | 6      | 10,467 | 5.2 | 5                   | 10,730 | 526  |               |     |
|   | 6                 | 10,467 | 5.2  | 542 | 6      | 10,467 | 5.2 | DIFF.               | 263-   | 16   |               |     |
| 580149 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 63                              | 6                 | 9,687  | 5.0  | 482 | 6      | 9,687  | 5.0 | 26                  | 7,258  | 372  |               |     |
|   | 6                 | 9,687  | 5.0  | 482 | 6      | 9,687  | 5.0 | DIFF.               | 2429   | 110  |               |     |
| 580232 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 21                              | 7                 | 11,074 | 5.8  | 641 | 9      | 11,074 | 5.8 | 28                  | 10,325 | 567  |               |     |
|   | 7                 | 11,074 | 5.8  | 641 | 9      | 11,074 | 5.8 | DIFF.               | 749    | 74   |               |     |
| 580254 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 23                              | 5                 | 8,156  | 5.5  | 445 | 8      | 8,156  | 5.5 | 17                  | 8,312  | 418  |               |     |
|   | 5                 | 8,156  | 5.5  | 445 | 8      | 8,156  | 5.5 | DIFF.               | 156-   | 27   |               |     |
| 580285 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 92                              | 7                 | 8,840  | 5.5  | 482 | 7      | 8,840  | 5.5 | 15                  | 9,223  | 488  |               |     |
|   | 7                 | 8,840  | 5.5  | 482 | 7      | 8,840  | 5.5 | DIFF.               | 383-   | 6-   |               |     |
| 580388 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 41                              | 5                 | 7,458  | 5.9  | 437 | 5      | 7,458  | 5.9 | 12                  | 7,723  | 412  |               |     |
|   | 5                 | 7,458  | 5.9  | 437 | 5      | 7,458  | 5.9 | DIFF.               | 265-   | 25   |               |     |
| 580646 MASTERMAN BEAUTY CUSTOM AIM..... |                   |        |      |     |        |        |     |                     |        |      |               |     |
| 02-08-57 499358 1667986                 | 21                | 7,520  | 5.4  | 409 | 21     | 7,520  | 5.4 | 32                  | 8,569  | 449  | 7,414         | 397 |
| AI STUD, 21-01 LISTED, 08-63            | 18                | 7,676  | 5.4  | 418 | 18     | 7,676  | 5.4 | DIFF.               | 893-   | 31-  |               |     |
| STATES- 13,21,43                        | 2                 | 9,775  | 5.4  | 532 | 2      | 9,775  | 5.4 | 40                  | 8,887  | 468  |               |     |
|   | 2                 | 9,775  | 5.4  | 532 | 2      | 9,775  | 5.4 | DIFF.               | 888    | 64   |               |     |
| 580663 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 23                              | 8                 | 5,953  | 5.4  | 324 | 11     | 5,953  | 5.4 | 5                   | 6,373  | 352  |               |     |
|   | 8                 | 5,953  | 5.4  | 324 | 11     | 5,953  | 5.4 | DIFF.               | 420-   | 28-  |               |     |
| 580681 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 64                              | 5                 | 7,708  | 5.3  | 407 | 5      | 7,708  | 5.3 | 30                  | 7,704  | 401  |               |     |
|   | 5                 | 7,708  | 5.3  | 407 | 5      | 7,708  | 5.3 | DIFF.               | 4      | 6    |               |     |
| 580730 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 21                              | 6                 | 7,377  | 5.4  | 397 | 6      | 7,377  | 5.4 | 10                  | 6,910  | 378  |               |     |
|   | 6                 | 7,377  | 5.4  | 397 | 6      | 7,377  | 5.4 | DIFF.               | 467    | 19   |               |     |
| 580780 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 74                              | 5                 | 6,336  | 5.3  | 337 | 5      | 6,336  | 5.3 | 24                  | 7,385  | 370  |               |     |
|   | 5                 | 6,336  | 5.3  | 337 | 5      | 6,336  | 5.3 | DIFF.               | 1049-  | 33-  |               |     |
| 580787 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| AI STUD, 72-01                          | 9                 | 8,101  | 4.9  | 393 | 10     | 8,101  | 4.9 | 14                  | 7,739  | 398  | 8,055         | 410 |
| STATES- 72                              | 9                 | 8,101  | 4.9  | 393 | 10     | 8,101  | 4.9 | DIFF.               | 362    | 5-   |               |     |
| 580829 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 12                              | 6                 | 8,343  | 5.6  | 470 | 6      | 8,343  | 5.6 | 17                  | 8,788  | 501  |               |     |
|   | 6                 | 8,343  | 5.6  | 470 | 6      | 8,343  | 5.6 | DIFF.               | 445-   | 31-  |               |     |
| 580836 BRIGHAM CONFIDENT ORMANO.....    |                   |        |      |     |        |        |     |                     |        |      |               |     |
| 03-22-58 470945 1502800                 | 65                | 8,960  | 5.4  | 481 | 65     | 8,960  | 5.4 | 16                  | 8,651  | 454  | 8,214         | 439 |
| AI STUD, 23-05 LISTED, 08-63            | 64                | 8,939  | 5.4  | 481 | 64     | 8,939  | 5.4 | DIFF.               | 288    | 27   |               |     |
| STATES- 23                              | 1                 | 10,450 | 4.7  | 493 | 1      | 10,450 | 4.7 | 8                   | 8,173  | 416  |               |     |
|   | 1                 | 10,450 | 4.7  | 493 | 1      | 10,450 | 4.7 | DIFF.               | 2277   | 77   |               |     |
| 581021 .....                            |                   |        |      |     |        |        |     |                     |        |      |               |     |
| STATES- 23                              | 6                 | 10,158 | 5.0  | 507 | 6      | 10,158 | 5.0 | 27                  | 8,745  | 484  |               |     |
|   | 6                 | 10,158 | 5.0  | 507 | 6      | 10,158 | 5.0 | DIFF.               | 1413   | 23   |               |     |

## SIRE OF OHIA DAUGHTERS

| JERSEY                          |                                   |    | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---------------------------------|-----------------------------------|----|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 581199                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 21                      | 5 NON-AI DAUGHTERS                | 5  | 10,318      | 5.1                | 530       |             |                 |                    |            |                   |            |
|                                 | 5 WITH HERD-MATES                 | 5  | 10,318      | 5.1                | 530       | 42 DIFF.    | 10,953          | 549                | 19-        |                   |            |
| 581265                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 52                      | 5 NON-AI DAUGHTERS                | 5  | 8,586       | 5.5                | 471       |             |                 |                    |            |                   |            |
|                                 | 5 WITH HERD-MATES                 | 5  | 8,586       | 5.5                | 471       | 11 DIFF.    | 7,787           | 402                | 69         |                   |            |
| 581283                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 11,14                   | 6 NON-AI DAUGHTERS                | 6  | 12,527      | 4.7                | 584       |             |                 |                    |            |                   |            |
|                                 | 6 WITH HERD-MATES                 | 6  | 12,527      | 4.7                | 584       | 35 DIFF.    | 11,530          | 597                | 13-        |                   |            |
| 581297                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 61                      | 8 NON-AI DAUGHTERS                | 8  | 6,324       | 5.1                | 323       |             |                 |                    |            |                   |            |
|                                 | 8 WITH HERD-MATES                 | 8  | 6,324       | 5.1                | 323       | 12 DIFF.    | 7,516           | 389                | 66-        |                   |            |
| 581415                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 74                      | 13 NON-AI DAUGHTERS               | 14 | 7,987       | 4.7                | 379       |             |                 |                    |            |                   |            |
|                                 | 13 WITH HERD-MATES                | 14 | 7,987       | 4.7                | 379       | 76 DIFF.    | 8,743           | 418                | 39-        |                   |            |
| 581485                          | IMP. ITASKA-S FILLPAIL RULER..... |    |             |                    |           |             |                 |                    |            |                   |            |
| 02-17-55                        | 010008621 010057693               | 18 | 7,706       | 5.1                | 392       |             |                 |                    |            |                   |            |
| AI STUO, 16-04                  | LISTEO, 08-63                     | 18 | 7,706       | 5.1                | 392       |             |                 |                    |            |                   |            |
| STATES- 16,21,22,23,31,51,55    | 18 WITH HERD-MATES                | 24 | 7,706       | 5.1                | 392       | 35 DIFF.    | 8,344           | 437                | 45-        |                   |            |
| 581576                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 55                      | 7 NON-AI DAUGHTERS                | 7  | 7,110       | 5.0                | 354       |             |                 |                    |            |                   |            |
|                                 | 7 WITH HERD-MATES                 | 7  | 7,110       | 5.0                | 354       | 28 DIFF.    | 7,960           | 406                | 52-        |                   |            |
| 581592                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 64                      | 7 NON-AI DAUGHTERS                | 7  | 6,250       | 4.7                | 293       |             |                 |                    |            |                   |            |
|                                 | 7 WITH HERD-MATES                 | 7  | 6,250       | 4.7                | 293       | 10 DIFF.    | 7,800           | 374                | 81-        |                   |            |
| 581653                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 52                      | 5 NON-AI DAUGHTERS                | 5  | 5,840       | 5.0                | 291       |             |                 |                    |            |                   |            |
|                                 | 5 WITH HERD-MATES                 | 5  | 5,840       | 5.0                | 291       | 18 DIFF.    | 7,434           | 375                | 84-        |                   |            |
| 581775                          | SABLE-S VOLUNTEER COMMANDO.....   |    |             |                    |           |             |                 |                    |            |                   |            |
| 08-04-57                        | 556063 1638580                    | 77 | 7,863       | 5.1                | 403       |             |                 |                    |            |                   |            |
| AI STUO, 31-02                  | LISTEO, 08-63                     | 75 | 7,876       | 5.1                | 405       |             |                 |                    |            |                   |            |
| STATES- 31,32,35,43,55,56,58,73 | 75 WITH HERD-MATES                | 77 | 7,863       | 5.1                | 403       | 11 DIFF.    | 8,372           | 428                | 23-        | 7,523             | 394        |
| 581840                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| AI STUO, 93-10                  | 17 NON-AI DAUGHTERS               | 18 | 7,538       | 5.6                | 424       |             |                 |                    |            |                   |            |
| STATES- 52                      | 17 WITH HERD-MATES                | 18 | 7,538       | 5.6                | 424       | 40 DIFF.    | 7,172           | 404                | 20         |                   |            |
| 581849                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 71                      | 11 NON-AI DAUGHTERS               | 14 | 9,780       | 5.0                | 488       |             |                 |                    |            |                   |            |
|                                 | 11 WITH HERD-MATES                | 14 | 9,780       | 5.0                | 488       | 14 DIFF.    | 8,953           | 436                | 52         |                   |            |
| 581938                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 32                      | 7 NON-AI DAUGHTERS                | 7  | 7,783       | 5.4                | 424       |             |                 |                    |            |                   |            |
|                                 | 7 WITH HERD-MATES                 | 7  | 7,783       | 5.4                | 424       | 11 DIFF.    | 9,769           | 496                | 72-        |                   |            |
| 581943                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 91                      | 10 NON-AI DAUGHTERS               | 11 | 8,747       | 4.8                | 418       |             |                 |                    |            |                   |            |
|                                 | 10 WITH HERD-MATES                | 11 | 8,747       | 4.8                | 418       | 16 DIFF.    | 8,507           | 447                | 29-        |                   |            |
| 581950                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 82                      | 5 NON-AI DAUGHTERS                | 5  | 7,408       | 5.7                | 424       |             |                 |                    |            |                   |            |
|                                 | 5 WITH HERD-MATES                 | 5  | 7,408       | 5.7                | 424       | 19 DIFF.    | 7,699           | 429                | 5-         |                   |            |
| 582138                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 42                      | 6 NON-AI DAUGHTERS                | 6  | 9,470       | 5.5                | 523       |             |                 |                    |            |                   |            |
|                                 | 6 WITH HERD-MATES                 | 6  | 9,470       | 5.5                | 523       | 7 DIFF.     | 7,373           | 411                | 112        |                   |            |
| 582148                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 42                      | 10 NON-AI DAUGHTERS               | 10 | 5,485       | 5.3                | 293       |             |                 |                    |            |                   |            |
|                                 | 10 WITH HERD-MATES                | 10 | 5,485       | 5.3                | 293       | 33 DIFF.    | 6,595           | 334                | 41-        |                   |            |
| 582190                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 31                      | 9 NON-AI DAUGHTERS                | 9  | 8,067       | 5.4                | 437       |             |                 |                    |            |                   |            |
|                                 | 9 WITH HERD-MATES                 | 9  | 8,067       | 5.4                | 437       | 10 DIFF.    | 7,460           | 407                | 30         |                   |            |
| 582202                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 32                      | 5 NON-AI DAUGHTERS                | 6  | 7,172       | 5.0                | 359       |             |                 |                    |            |                   |            |
|                                 | 5 WITH HERD-MATES                 | 6  | 7,172       | 5.0                | 359       | 11 DIFF.    | 7,472           | 375                | 16-        |                   |            |
| 582283                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 43,73                   | 17 NON-AI DAUGHTERS               | 17 | 7,628       | 5.6                | 429       |             |                 |                    |            |                   |            |
|                                 | 17 WITH HERD-MATES                | 17 | 7,628       | 5.6                | 429       | 25 DIFF.    | 7,749           | 435                | 6-         |                   |            |
| 582357                          | .....                             |    |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 57,64                   | 5 NON-AI DAUGHTERS                | 5  | 5,760       | 5.0                | 286       |             |                 |                    |            |                   |            |
|                                 | 5 WITH HERD-MATES                 | 5  | 5,760       | 5.0                | 286       | 21 DIFF.    | 7,256           | 358                | 72-        |                   |            |



## SIRE OF DHIA DAUGHTERS

| JERSEY  |         |        |      |     | AV. PRODUCTION OF |        |     |     | AOJ. HERD-MATES |        | AV. PREDICTED |           |
|---|---------|--------|------|-----|-------------------|--------|-----|-----|-----------------|--------|---------------|-----------|
|   | RECORDS | MILK   | TEST | FAT | NUMBER            | L8     | %   | L8  | NUMBER          | MILK   | FAT           | MILK      |
| 582400 BET-S DREAMER DF TREDELL.....            |         |        |      |     |                   |        |     |     |                 |        |               |           |
| 07-05-57 535058 1571904 11 AI DAUGHTERS         | 11      | 10,398 | 4.9  | 509 |                   |        |     |     |                 |        |               |           |
| AI STUD, 92-01 LISTED, 08-63 11 WITH HERD-MATES | 11      | 10,398 | 4.9  | 509 |                   |        |     |     | 19              | 9,625  | 502           | 8,354 421 |
| STATES- 92                                      |         |        |      |     |                   |        |     |     | DIFF.           | 773    | 7             |           |
| 582427 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 65                                      | 9       | 8,701  | 4.8  | 416 | 9                 | 8,701  | 4.8 | 416 | 10              | 6,140  | 313           |           |
|   | 9       | 8,701  | 4.8  | 416 |                   |        |     |     | DIFF.           | 2561   | 103           |           |
| 582474 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 64                                      | 5       | 7,548  | 4.7  | 357 | 5                 | 7,548  | 4.7 | 357 | 72              | 7,569  | 347           |           |
|   | 5       | 7,548  | 4.7  | 357 |                   |        |     |     | DIFF.           | 21-    | 10            |           |
| 582510 MARLU STYLISH MILKMAN.....               |         |        |      |     |                   |        |     |     |                 |        |               |           |
| 05-15-58 550331 2155972 35 AI DAUGHTERS         | 35      | 8,217  | 5.3  | 436 | 35                | 8,217  | 5.3 | 436 |                 |        |               |           |
| AI STUD, 11-01 LISTED, 08-63 31 WITH HERD-MATES | 31      | 8,079  | 5.3  | 432 | 31                | 8,079  | 5.3 | 432 | 14              | 8,729  | 456           | 7,501 399 |
| STATES- 11                                      |         |        |      |     |                   |        |     |     | DIFF.           | 650-   | 24-           |           |
| 582529 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 31                                      | 5       | 7,429  | 5.5  | 411 | 6                 | 7,429  | 5.5 | 411 | 11              | 8,030  | 421           |           |
|   | 5       | 7,429  | 5.5  | 411 |                   |        |     |     | DIFF.           | 601-   | 10-           |           |
| 582554 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 55,56                                   | 6       | 9,272  | 5.0  | 468 | 6                 | 9,272  | 5.0 | 468 | 34              | 7,592  | 419           |           |
|   | 6       | 9,272  | 5.0  | 468 |                   |        |     |     | DIFF.           | 1680   | 49            |           |
| 582574 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 32                                      | 7       | 9,652  | 4.5  | 433 | 8                 | 9,652  | 4.5 | 433 | 7               | 9,906  | 500           |           |
|   | 5       | 10,366 | 4.6  | 476 | 5                 | 10,366 | 4.6 | 476 | DIFF.           | 460    | 24-           |           |
| 582593 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 23                                      | 8       | 9,688  | 5.3  | 510 | 8                 | 9,688  | 5.3 | 510 | 32              | 10,387 | 518           |           |
|   | 8       | 9,688  | 5.3  | 510 |                   |        |     |     | DIFF.           | 699-   | 8-            |           |
| 582597 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 31                                      | 5       | 7,675  | 5.3  | 407 | 6                 | 7,675  | 5.3 | 407 | 25              | 7,431  | 398           |           |
|   | 5       | 7,675  | 5.3  | 407 |                   |        |     |     | DIFF.           | 244    | 9             |           |
| 582713 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 82                                      | 5       | 8,388  | 5.4  | 452 | 5                 | 8,388  | 5.4 | 452 | 7               | 7,783  | 432           |           |
|   | 5       | 8,388  | 5.4  | 452 |                   |        |     |     | DIFF.           | 605    | 20            |           |
| 582724 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 32                                      | 5       | 8,209  | 5.1  | 416 | 6                 | 8,209  | 5.1 | 416 | 6               | 7,959  | 390           |           |
|   | 4       | 7,246  | 5.2  | 377 | 5                 | 7,246  | 5.2 | 377 | DIFF.           | 713-   | 13-           |           |
| 582900 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 23                                      | 5       | 7,938  | 5.3  | 422 | 5                 | 7,938  | 5.3 | 422 | 25              | 9,359  | 469           |           |
|   | 5       | 7,938  | 5.3  | 422 |                   |        |     |     | DIFF.           | 1421-  | 47-           |           |
| 582958 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 31                                      | 9       | 7,042  | 5.4  | 377 | 10                | 7,042  | 5.4 | 377 | 9               | 7,321  | 389           |           |
|   | 9       | 7,042  | 5.4  | 377 |                   |        |     |     | DIFF.           | 279-   | 12-           |           |
| 583007 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| AI STUD, 16-04                                  | 5       | 6,556  | 5.5  | 360 | 5                 | 6,556  | 5.5 | 360 | 9               | 9,102  | 482           | 7,206 380 |
| STATES- 13,16                                   | 5       | 6,556  | 5.5  | 360 |                   |        |     |     | DIFF.           | 2546-  | 122-          |           |
| 583021 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 82                                      | 5       | 7,982  | 4.8  | 386 | 5                 | 7,982  | 4.8 | 386 | 9               | 7,555  | 389           |           |
|   | 5       | 7,982  | 4.8  | 386 |                   |        |     |     | DIFF.           | 427    | 3-            |           |
| 583035 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 21                                      | 9       | 9,211  | 5.3  | 488 | 10                | 9,211  | 5.3 | 488 | 14              | 9,636  | 505           |           |
|   | 9       | 9,211  | 5.3  | 488 |                   |        |     |     | DIFF.           | 425-   | 17-           |           |
| 583063 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 13                                      | 11      | 8,645  | 5.4  | 471 | 11                | 8,645  | 5.4 | 471 | 25              | 8,736  | 466           |           |
|   | 11      | 8,645  | 5.4  | 471 |                   |        |     |     | DIFF.           | 91-    | 5             |           |
| 583086 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 43                                      | 8       | 7,964  | 5.5  | 435 | 8                 | 7,964  | 5.5 | 435 | 28              | 8,400  | 441           |           |
|   | 8       | 7,964  | 5.5  | 435 |                   |        |     |     | DIFF.           | 436-   | 6-            |           |
| 583345 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 22,31,54,56,73                          | 11      | 7,646  | 5.6  | 427 | 11                | 7,646  | 5.6 | 427 | 22              | 9,253  | 498           |           |
|   | 11      | 7,646  | 5.6  | 427 |                   |        |     |     | DIFF.           | 1607-  | 71-           |           |
| 583366 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 42                                      | 5       | 7,090  | 5.0  | 357 | 5                 | 7,090  | 5.0 | 357 | 34              | 7,105  | 373           |           |
|   | 5       | 7,090  | 5.0  | 357 |                   |        |     |     | DIFF.           | 15-    | 16-           |           |
| 583389 .....                                    |         |        |      |     |                   |        |     |     |                 |        |               |           |
| STATES- 64                                      | 6       | 7,534  | 4.7  | 351 | 7                 | 7,534  | 4.7 | 351 | 70              | 7,692  | 352           |           |
|   | 6       | 7,534  | 4.7  | 351 |                   |        |     |     | DIFF.           | 158-   | 1-            |           |

## SIRE OF DHIA DAUGHTERS

| JERSEY           |                    | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |      | PREDICTED AV. |     |
|------------------|--------------------|------------------------|--------|------|-----|---------------------|--------|------|---------------|-----|
|                  |                    | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK   | FAT  | MILK          | FAT |
|                  |                    | NUMBER                 | L8     | %    | L8  |                     | L8     | L8   | L8            | L8  |
| 583397           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 82       | 5 NON-AI DAUGHTERS | 5                      | 6,044  | 5.8  | 352 |                     |        |      |               |     |
|                  | 5 WITH HERD-MATES  | 5                      | 6,044  | 5.8  | 352 | 12                  | 7,065  | 374  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 1021-  | 22-  |               |     |
| 583528           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 34       | 6 NON-AI DAUGHTERS | 6                      | 7,963  | 5.7  | 450 |                     |        |      |               |     |
|                  | 6 WITH HERD-MATES  | 6                      | 7,963  | 5.7  | 450 | 9                   | 8,575  | 450  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 612-   |      |               |     |
| 583603           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 52       | 6 NON-AI DAUGHTERS | 6                      | 7,060  | 4.9  | 347 |                     |        |      |               |     |
|                  | 6 WITH HERD-MATES  | 6                      | 7,060  | 4.9  | 347 | 23                  | 8,154  | 419  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 1094-  | 72-  |               |     |
| 583781           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 56       | 7 NON-AI DAUGHTERS | 7                      | 8,549  | 5.4  | 463 |                     |        |      |               |     |
|                  | 7 WITH HERD-MATES  | 7                      | 8,549  | 5.4  | 463 | 49                  | 8,349  | 436  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 200    | 27   |               |     |
| 583786           | .....              |                        |        |      |     |                     |        |      |               |     |
| AI STUD, 23-07   | 17 AI DAUGHTERS    | 17                     | 7,507  | 5.5  | 411 |                     |        |      |               |     |
| STATES- 23       | 16 WITH HERD-MATES | 16                     | 7,620  | 5.5  | 417 | 12                  | 9,294  | 490  | 7,034         | 376 |
|                  |                    |                        |        |      |     | DIFF.               | 1674-  | 73-  |               |     |
| 583812           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 23,51,55 | 5 NON-AI DAUGHTERS | 6                      | 7,372  | 5.7  | 423 |                     |        |      |               |     |
|                  | 5 WITH HERD-MATES  | 6                      | 7,372  | 5.7  | 423 | 13                  | 7,156  | 379  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 216    | 44   |               |     |
| 583847           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 23       | 6 NON-AI DAUGHTERS | 6                      | 10,017 | 5.7  | 572 |                     |        |      |               |     |
|                  | 6 WITH HERD-MATES  | 6                      | 10,017 | 5.7  | 572 | 14                  | 9,437  | 510  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 580    | 62   |               |     |
| 584080           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 33       | 6 NON-AI DAUGHTERS | 6                      | 8,555  | 5.3  | 455 |                     |        |      |               |     |
|                  | 6 WITH HERD-MATES  | 6                      | 8,555  | 5.3  | 455 | 13                  | 7,351  | 407  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 1204   | 48   |               |     |
| 584109           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 91       | 8 NON-AI DAUGHTERS | 8                      | 10,279 | 5.4  | 554 |                     |        |      |               |     |
|                  | 8 WITH HERD-MATES  | 8                      | 10,279 | 5.4  | 554 | 10                  | 9,574  | 502  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 705    | 52   |               |     |
| 584234           | .....              |                        |        |      |     |                     |        |      |               |     |
| AI STUD, 23-04   | 11 AI DAUGHTERS    | 11                     | 8,515  | 5.1  | 438 |                     |        |      |               |     |
| STATES- 23       | 11 WITH HERD-MATES | 11                     | 8,515  | 5.1  | 438 | 19                  | 8,312  | 447  | 8,024         | 410 |
|                  |                    |                        |        |      |     | DIFF.               | 203    | 9-   |               |     |
|                  | 1 NON-AI DAUGHTERS | 1                      | 8,930  | 4.5  | 402 |                     |        |      |               |     |
|                  | 1 WITH HERD-MATES  | 1                      | 8,930  | 4.5  | 402 | 2                   | 7,901  | 367  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 1029   | 35   |               |     |
| 584382           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 42       | 5 NON-AI DAUGHTERS | 6                      | 9,800  | 5.7  | 562 |                     |        |      |               |     |
|                  | 5 WITH HERD-MATES  | 6                      | 9,800  | 5.7  | 562 | 9                   | 10,811 | 627  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 1011-  | 65-  |               |     |
| 584458           | .....              |                        |        |      |     |                     |        |      |               |     |
| AI STUD, 23-08   | 25 AI DAUGHTERS    | 25                     | 9,194  | 5.2  | 482 |                     |        |      |               |     |
| STATES- 23       | 24 WITH HERD-MATES | 24                     | 9,271  | 5.3  | 488 | 23                  | 9,283  | 498  | 7,993         | 412 |
|                  |                    |                        |        |      |     | DIFF.               | 12-    | 10-  |               |     |
|                  | 1 NON-AI DAUGHTERS | 1                      | 9,920  | 5.5  | 545 |                     |        |      |               |     |
|                  | 1 WITH HERD-MATES  | 1                      | 9,920  | 5.5  | 545 | 50                  | 9,829  | 555  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 91     | 10-  |               |     |
| 584464           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 58       | 5 NON-AI DAUGHTERS | 5                      | 7,140  | 4.4  | 312 |                     |        |      |               |     |
|                  | 5 WITH HERD-MATES  | 5                      | 7,140  | 4.4  | 312 | 40                  | 7,510  | 362  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 370-   | 50-  |               |     |
| 584588           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 23       | 5 NON-AI DAUGHTERS | 5                      | 6,126  | 5.6  | 340 |                     |        |      |               |     |
|                  | 5 WITH HERD-MATES  | 5                      | 6,126  | 5.6  | 340 | 20                  | 7,906  | 403  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 1780-  | 63-  |               |     |
| 584635           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 43       | 6 NON-AI DAUGHTERS | 7                      | 7,225  | 4.8  | 348 |                     |        |      |               |     |
|                  | 6 WITH HERD-MATES  | 7                      | 7,225  | 4.8  | 348 | 7                   | 7,629  | 381  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 404-   | 33-  |               |     |
| 584870           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 23       | 6 NON-AI DAUGHTERS | 6                      | 8,122  | 5.0  | 403 |                     |        |      |               |     |
|                  | 6 WITH HERD-MATES  | 6                      | 8,122  | 5.0  | 403 | 45                  | 8,422  | 445  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 300-   | 42-  |               |     |
| 584977           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 21       | 7 NON-AI DAUGHTERS | 7                      | 8,677  | 5.2  | 451 |                     |        |      |               |     |
|                  | 7 WITH HERD-MATES  | 7                      | 8,677  | 5.2  | 451 | 16                  | 9,445  | 496  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 768-   | 45-  |               |     |
| 585257           | .....              |                        |        |      |     |                     |        |      |               |     |
| STATES- 21       | 5 NON-AI DAUGHTERS | 5                      | 5,938  | 5.0  | 299 |                     |        |      |               |     |
|                  | 5 WITH HERD-MATES  | 5                      | 5,938  | 5.0  | 299 | 25                  | 8,154  | 399  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 2216-  | 100- |               |     |
| 585348           | .....              |                        |        |      |     |                     |        |      |               |     |
| AI STUD, 21-C1   | 21 AI DAUGHTERS    | 21                     | 8,909  | 4.8  | 428 |                     |        |      |               |     |
| STATES- 21       | 20 WITH HERD-MATES | 20                     | 9,055  | 4.8  | 436 | 19                  | 8,258  | 425  | 8,426         | 420 |
|                  |                    |                        |        |      |     | DIFF.               | 797    | 11   |               |     |
| 585427           | .....              |                        |        |      |     |                     |        |      |               |     |
| AI STUD, 51-02   | 12 AI DAUGHTERS    | 12                     | 7,472  | 5.0  | 377 |                     |        |      |               |     |
| STATES- 51,54,56 | 12 WITH HERD-MATES | 12                     | 7,472  | 5.0  | 377 | 14                  | 7,699  | 389  | 7,786         | 406 |
|                  |                    |                        |        |      |     | DIFF.               | 227-   | 12-  |               |     |
|                  | 1 NON-AI DAUGHTERS | 1                      | 6,240  | 5.8  | 360 |                     |        |      |               |     |
|                  | 1 WITH HERD-MATES  | 1                      | 6,240  | 5.8  | 360 | 9                   | 8,314  | 459  |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 2074-  | 99-  |               |     |

## SIRE OF DHIA DAUGHTERS

| JERSEY         |                       |    |                  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|----------------|-----------------------|----|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 585431         | IMP. CERES ROYAL..... |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 04-12-52       | 559355 010056975      | 11 | NDN-AI DAUGHTERS | 15          | 8,471              | 5.7       | 483         |                 |                    |            |                   |            |
| AI STUD, 33-02 | LISTED, 08-63         | 11 | WITH HERD-MATES  | 15          | 8,471              | 5.7       | 483         | 28              | 8,536              | 486        |                   |            |
| STATES-        | 22,56,65              |    |                  |             |                    |           |             | DIFF.           | 65-                | 3-         |                   |            |
| 585587         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 5           | 7,634              | 5.1       | 393         |                 |                    |            |                   |            |
| STATES-        | 61,65                 | 5  | WITH HERD-MATES  | 5           | 7,634              | 5.1       | 393         | 16              | 6,385              | 328        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1249               | 65         |                   |            |
| 585771         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 8           | 7,847              | 4.8       | 380         |                 |                    |            |                   |            |
| STATES-        | 64                    | 5  | WITH HERD-MATES  | 8           | 7,847              | 4.8       | 380         | 28              | 7,088              | 344        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 759                | 36         |                   |            |
| 585878         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 5           | 7,472              | 5.0       | 370         |                 |                    |            |                   |            |
| STATES-        | 32,58                 | 5  | WITH HERD-MATES  | 5           | 7,472              | 5.0       | 370         | 81              | 7,699              | 386        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 227-               | 16-        |                   |            |
| 586922         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 7  | NDN-AI DAUGHTERS | 7           | 8,897              | 5.5       | 491         |                 |                    |            |                   |            |
| STATES-        | 23                    | 7  | WITH HERD-MATES  | 7           | 8,897              | 5.5       | 491         | 29              | 9,693              | 502        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 796-               | 11-        |                   |            |
| 587027         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 9  | NDN-AI DAUGHTERS | 9           | 6,517              | 5.3       | 345         |                 |                    |            |                   |            |
| STATES-        | 64                    | 9  | WITH HERD-MATES  | 9           | 6,517              | 5.3       | 345         | 25              | 7,567              | 404        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1050-              | 59-        |                   |            |
| 587250         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 5           | 9,164              | 5.4       | 497         |                 |                    |            |                   |            |
| STATES-        | 12,13                 | 5  | WITH HERD-MATES  | 5           | 9,164              | 5.4       | 497         | 17              | 9,380              | 509        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 216-               | 12-        |                   |            |
| 587344         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 5           | 7,960              | 5.5       | 439         |                 |                    |            |                   |            |
| STATES-        | 13                    | 5  | WITH HERD-MATES  | 5           | 7,960              | 5.5       | 439         | 33              | 8,047              | 445        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 87-                | 6-         |                   |            |
| 589701         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 6  | NDN-AI DAUGHTERS | 7           | 7,792              | 5.8       | 449         |                 |                    |            |                   |            |
| STATES-        | 23                    | 6  | WITH HERD-MATES  | 7           | 7,792              | 5.8       | 449         | 51              | 8,837              | 451        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1045-              | 2-         |                   |            |
| 590262         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 10 | NDN-AI DAUGHTERS | 10          | 8,837              | 5.6       | 493         |                 |                    |            |                   |            |
| STATES-        | 82                    | 10 | WITH HERD-MATES  | 10          | 8,837              | 5.6       | 493         | 21              | 9,278              | 497        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 441-               | 4-         |                   |            |
| 591100         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 7  | NDN-AI DAUGHTERS | 7           | 8,900              | 5.8       | 512         |                 |                    |            |                   |            |
| STATES-        | 23                    | 7  | WITH HERD-MATES  | 7           | 8,900              | 5.8       | 512         | 15              | 9,394              | 520        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 494-               | 8-         |                   |            |
| 594727         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 8  | NDN-AI DAUGHTERS | 10          | 12,544             | 5.4       | 674         |                 |                    |            |                   |            |
| STATES-        | 93                    | 8  | WITH HERD-MATES  | 10          | 12,544             | 5.4       | 674         | 25              | 11,333             | 573        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1211               | 101        |                   |            |
| 595159         | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 8  | NDN-AI DAUGHTERS | 11          | 9,262              | 5.6       | 515         |                 |                    |            |                   |            |
| STATES-        | 82                    | 8  | WITH HERD-MATES  | 11          | 9,262              | 5.6       | 515         | 22              | 9,057              | 487        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 205                | 28         |                   |            |
| 010112582      | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 10          | 7,570              | 5.7       | 430         |                 |                    |            |                   |            |
| STATES-        | 63,82,91,92           | 3  | WITH HERD-MATES  | 7           | 8,298              | 5.7       | 476         | 3               | 8,691              | 489        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 393-               | 13-        |                   |            |
| 010118821      | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 7           | 6,753              | 5.1       | 344         |                 |                    |            |                   |            |
| STATES-        | 58,64                 | 4  | WITH HERD-MATES  | 6           | 6,379              | 5.1       | 325         | 72              | 7,551              | 369        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1172-              | 44-        |                   |            |
| 010121445      | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 5           | 7,982              | 4.9       | 394         |                 |                    |            |                   |            |
| STATES-        | 21,58                 | 4  | WITH HERD-MATES  | 4           | 7,995              | 5.0       | 400         | 4               | 7,267              | 369        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 728                | 31         |                   |            |
| 010122596      | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 10          | 6,884              | 5.5       | 382         |                 |                    |            |                   |            |
| STATES-        | 13                    | 5  | WITH HERD-MATES  | 10          | 6,884              | 5.5       | 382         | 15              | 8,029              | 415        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1145-              | 33-        |                   |            |
| 010124294      | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 6  | NDN-AI DAUGHTERS | 7           | 8,927              | 5.3       | 472         |                 |                    |            |                   |            |
| STATES-        | 23,55                 | 6  | WITH HERD-MATES  | 7           | 8,927              | 5.3       | 472         | 20              | 8,418              | 446        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 509                | 26         |                   |            |
| 010125869      | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 5  | NDN-AI DAUGHTERS | 7           | 7,214              | 5.3       | 380         |                 |                    |            |                   |            |
| STATES-        | 23                    | 5  | WITH HERD-MATES  | 7           | 7,214              | 5.3       | 380         | 19              | 8,881              | 464        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1667-              | 84-        |                   |            |
| 52AF48479      | .....                 |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                       | 7  | NDN-AI DAUGHTERS | 8           | 5,571              | 5.0       | 279         |                 |                    |            |                   |            |
| STATES-        | 52                    | 5  | WITH HERD-MATES  | 5           | 5,604              | 5.2       | 293         | 2               | 7,177              | 388        |                   |            |
|                |                       |    |                  |             |                    |           |             | DIFF.           | 1573-              | 95-        |                   |            |



## SIRE OF DHIA DAUGHTERS

|                |  |     |                  | AV. PRODUCTION OF | AOJ. HERO-MATES AV. | PREOICTED AV.            |
|----------------|--|-----|------------------|-------------------|---------------------|--------------------------|
| BROWN SWISS    |  |     |                  | RECORDS           | AV. MILK LBS        | MILK LBS                 |
|                |  |     |                  | NUMBER            | TEST %              | FAT LBS                  |
| 85D03          | HO88SFARM CLEPE-S KEEPER.....  |     |                  |                   |                     |                          |
| 02-10-47       | 52390 95788  | 233 | AI DAUGHTERS     | 570               | 11,088              | 4.2 463                  |
| AI STUD, 33-01 | LISTED, 08-63  | 211 | WITH HERD-MATES  | 520               | 11,191              | 4.2 468                  |
| STATES-        | 31,33,35,42,43,56,58,64,65,73,74                                     |     |                  |                   |                     |                          |
|                |  |     |                  |                   |                     | 6 11,187 463 10,795 448  |
|                |  |     |                  |                   |                     | OIFF. 4 5                |
| 87630          | JUOD-S BRIDGE DANNY BOY.....   |     |                  |                   |                     |                          |
| 12-15-47       | 36887 117889   | 271 | AI DAUGHTERS     | 637               | 11,108              | 4.1 455                  |
| AI STUD, 33-01 | LISTED, 08-63  | 254 | WITH HERD-MATES  | 592               | 11,165              | 4.1 457                  |
| STATES-        | 14,21,22,31,32,33,34,35,41,42,43,45,58,72,73,74,86,92                | 6   | NON-AI DAUGHTERS | 11                | 13,864              | 4.2 585                  |
|                |  | 2   | WITH HERD-MATES  | 4                 | 11,807              | 3.9 465                  |
|                |  |     |                  |                   |                     | 9 12,039 495 10,752 436  |
|                |  |     |                  |                   |                     | OIFF. 44- 7-             |
|                |  |     |                  |                   |                     | 9 12,039 495 10,752 436  |
|                |  |     |                  |                   |                     | OIFF. 232- 30-           |
| 89614          | HYCREST EMPEROR.....   |     |                  |                   |                     |                          |
| 11-26-47       | 78928 127067   | 95  | AI DAUGHTERS     | 189               | 10,570              | 4.3 456                  |
| AI STUD, 31-01 | LISTED, 08-63  | 88  | WITH HERD-MATES  | 173               | 10,629              | 4.3 460                  |
| STATES-        | 13,14,16,21,22,33,35,41,50,51,52,57,74                               | 19  | NON-AI DAUGHTERS | 69                | 11,104              | 4.3 473                  |
|                |  | 16  | WITH HERD-MATES  | 63                | 11,409              | 4.2 480                  |
|                |  |     |                  |                   |                     | 8 10,598 429 10,334 439  |
|                |  |     |                  |                   |                     | OIFF. 512- 4-            |
|                |  |     |                  |                   |                     | 8 10,598 429 10,334 439  |
|                |  |     |                  |                   |                     | OIFF. 811 51             |
| 90502          | .....  |     |                  |                   |                     |                          |
| STATES-        | 31   | 5   | NON-AI DAUGHTERS | 5                 | 11,738              | 4.3 505                  |
|                |  | 5   | WITH HERD-MATES  | 5                 | 11,738              | 4.3 505                  |
|                |  |     |                  |                   |                     | 6 11,225 514 10,800 439  |
|                |  |     |                  |                   |                     | OIFF. 513 9-             |
| 98386          | P. V. KEEPER-S HONOR.....  |     |                  |                   |                     |                          |
| 12-12-49       | 71211 86633  | 9   | AI DAUGHTERS     | 10                | 9,869               | 4.1 406                  |
| AI STUD, 63-02 | LISTED, 08-63  | 8   | WITH HERD-MATES  | 9                 | 9,943               | 4.1 404                  |
| STATES-        | 31,32,33,56,57,63  | 22  | NON-AI DAUGHTERS | 55                | 13,089              | 4.3 558                  |
|                |  | 14  | WITH HERD-MATES  | 35                | 13,445              | 4.3 580                  |
|                |  |     |                  |                   |                     | 5 11,963 504 10,800 439  |
|                |  |     |                  |                   |                     | OIFF. 1482 76            |
| 99252          | LEE-S HILL KAYAK M.....  |     |                  |                   |                     |                          |
| 09-22-49       | 90827 162714   | 478 | AI DAUGHTERS     | 627               | 10,857              | 4.2 456                  |
| AI STUD, 31-01 | LISTED, 08-63  | 461 | WITH HERD-MATES  | 604               | 10,837              | 4.2 455                  |
| STATES-        | 14,16,21,22,23,31,32,33,34,35,42,48,51,55,56,57,58,61,63,74,81,84,96 | 26  | NON-AI DAUGHTERS | 72                | 11,883              | 4.2 501                  |
|                |  | 24  | WITH HERD-MATES  | 55                | 11,845              | 4.2 500                  |
|                |  |     |                  |                   |                     | 4 11,553 472 10,382 435  |
|                |  |     |                  |                   |                     | OIFF. 431- 8-            |
|                |  |     |                  |                   |                     | 4 11,553 472 10,382 435  |
|                |  |     |                  |                   |                     | OIFF. 292 28             |
| 993D8          | NORVIC NORSE TIME.....   |     |                  |                   |                     |                          |
| 07-15-49       | 82516 113768   | 37  | AI DAUGHTERS     | 39                | 10,336              | 4.2 434                  |
| AI STUD, 42-02 | LISTED, 08-63  | 35  | WITH HERD-MATES  | 37                | 10,403              | 4.2 434                  |
| STATES-        | 32,34,35,42,46,74  | 12  | NON-AI DAUGHTERS | 26                | 11,451              | 4.1 468                  |
|                |  | 11  | WITH HERD-MATES  | 24                | 11,814              | 4.0 478                  |
|                |  |     |                  |                   |                     | 6 11,249 459 10,627 440  |
|                |  |     |                  |                   |                     | OIFF. 146- 434           |
|                |  |     |                  |                   |                     | 6 11,249 459 10,627 440  |
|                |  |     |                  |                   |                     | OIFF. 565 19             |
| 1D0828         | TELLEN-S BEAUTY H.....   |     |                  |                   |                     |                          |
| 10-01-49       | 75369 130529   | 14  | AI DAUGHTERS     | 22                | 11,318              | 4.1 466                  |
| AI STUD, 87-01 | LISTED, 08-63  | 11  | WITH HERD-MATES  | 18                | 10,061              | 4.1 414                  |
| STATES-        | 42,47,82,87  | 14  | NON-AI DAUGHTERS | 40                | 10,228              | 4.0 412                  |
|                |  | 13  | WITH HERD-MATES  | 37                | 9,957               | 4.0 399                  |
|                |  |     |                  |                   |                     | 2 9,832 393 10,844 447   |
|                |  |     |                  |                   |                     | OIFF. 125 6              |
| 100908         | .....  |     |                  |                   |                     |                          |
| STATES-        | 32   | 5   | NON-AI DAUGHTERS | 8                 | 9,207               | 3.9 362                  |
|                |  | 5   | WITH HERD-MATES  | 7                 | 9,481               | 3.9 371                  |
|                |  |     |                  |                   |                     | 9 10,259 411 11,145 476  |
|                |  |     |                  |                   |                     | OIFF. 778- 40-           |
| 1D14D9         | HARRY-S BLUE BOY.....  |     |                  |                   |                     |                          |
| 08-03-49       | 48672 175126   | 131 | AI DAUGHTERS     | 170               | 11,312              | 4.2 475                  |
| AI STUD, 33-01 | LISTED, 08-63  | 107 | WITH HERD-MATES  | 138               | 11,274              | 4.3 480                  |
| STATES-        | 16,23,31,34,35,42,43,50,55,56,58,61,65,72,74,81,84,92                | 15  | NON-AI DAUGHTERS | 31                | 12,620              | 4.3 545                  |
|                |  | 2   | WITH HERD-MATES  | 8                 | 12,026              | 4.1 488                  |
|                |  |     |                  |                   |                     | 10 13,090 532 11,145 476 |
|                |  |     |                  |                   |                     | OIFF. 1064- 44-          |
| 1D2954         | AVON VIEW LORRAINE-S COLONEL.....                                    |     |                  |                   |                     |                          |
| 09-06-50       | 48672 167718   | 86  | AI DAUGHTERS     | 165               | 11,931              | 4.2 501                  |
| AI STUD, 33-01 | LISTED, 08-63  | 86  | WITH HERD-MATES  | 163               | 11,916              | 4.2 500                  |
| STATES-        | 23,31,33,41,42,51,57   | 8   | NON-AI DAUGHTERS | 17                | 10,729              | 4.2 450                  |
|                |  | 4   | WITH HERD-MATES  | 12                | 10,222              | 3.9 398                  |
|                |  |     |                  |                   |                     | 8 10,935 456 11,619 480  |
|                |  |     |                  |                   |                     | OIFF. 981 44             |
|                |  |     |                  |                   |                     | 10 10,145 414 11,619 480 |
|                |  |     |                  |                   |                     | OIFF. 77 16-             |
| 1D2994         | SWISS LANE SQUIRE-S HARRY.....                                       |     |                  |                   |                     |                          |
| 02-04-50       | 57704 94883  | 28  | AI DAUGHTERS     | 44                | 11,416              | 3.9 440                  |
| AI STUD, 34-01 | LISTED, 08-63  | 25  | WITH HERD-MATES  | 36                | 11,526              | 3.8 443                  |
| STATES-        | 34,56,57   | 26  | NON-AI DAUGHTERS | 110               | 12,400              | 3.9 486                  |
|                |  | 26  | WITH HERD-MATES  | 109               | 12,444              | 3.9 487                  |
|                |  |     |                  |                   |                     | 6 11,853 468 10,830 434  |
|                |  |     |                  |                   |                     | OIFF. 591 19             |
| 103302         | LEE-S HILL KEEPER-S GRANDEE.....                                     |     |                  |                   |                     |                          |
| 10-04-50       | 55163 98789  | 34  | NON-AI DAUGHTERS | 66                | 10,741              | 3.8 411                  |
| AI STUD, 48-01 | LISTED, 08-63  | 33  | WITH HERD-MATES  | 64                | 10,708              | 3.8 411                  |
| STATES-        | 43,48  |     |                  |                   |                     |                          |
|                |  |     |                  |                   |                     | 6 10,632 414 10,830 434  |
|                |  |     |                  |                   |                     | OIFF. 76 3-              |
| 104974         | .....  |     |                  |                   |                     |                          |
| STATES-        | 32   | 5   | NON-AI DAUGHTERS | 5                 | 14,106              | 3.5 500                  |
|                |  | 5   | WITH HERD-MATES  | 5                 | 14,106              | 3.5 500                  |
|                |  |     |                  |                   |                     | 16 11,718 445 11,004 449 |
|                |  |     |                  |                   |                     | OIFF. 2388 55            |
| 1D52D1         | ORANGEVILLE GALLANT-S HARRY.....                                     |     |                  |                   |                     |                          |
| 01-20-51       | 58913 128643   | 1   | AI DAUGHTERS     | 1                 | 16,960              | 3.9 655                  |
| AI STUD, 51-02 | LISTED, 08-63  | 1   | WITH HERD-MATES  | 1                 | 16,960              | 3.9 655                  |
| STATES-        | 31,32,57,63  | 37  | NON-AI DAUGHTERS | 76                | 10,698              | 4.1 439                  |
|                |  | 11  | WITH HERD-MATES  | 23                | 12,541              | 4.0 506                  |
|                |  |     |                  |                   |                     | 7 12,221 490 11,004 449  |
|                |  |     |                  |                   |                     | OIFF. 320 16             |

## SIRE OF DHIA DAUGHTERS

|             |                                     |   |                     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB FAT LB |     |
|-------------|-------------------------------------|---|---------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|------------------------------|-----|
| BROWN SWISS |                                     |   |                     |             |                       |        |             |                 |                    |            |                              |     |
| 105253      | .....                               |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | STATES-                             | 23,31,34  | 5 NON-AI DAUGHTERS  | 11          | 10,392                | 4.5    | 464         |                 |                    |            |                              |     |
|             |                                     |   | 4 WITH HERD-MATES   | 10          | 10,575                | 4.5    | 476         | 7               | 11,221             | 475        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 646-               | 1          |                              |     |
| 105449      | AVON VIEW IDEAL.....                |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 02-12-51                            | 48672 139974  | 67 AI DAUGHTERS     | 130         | 11,126                | 4.4    | 487         |                 |                    |            |                              |     |
|             | AI STUD, 31-01                      | LISTED, 08-63   | 62 WITH HERD-MATES  | 123         | 10,978                | 4.4    | 480         | 8               | 11,524             | 483        | 10,361                       | 442 |
|             | STATES-                             | 14,23,31,33,35,48,51,52,61                                  | 23 NON-AI DAUGHTERS | 49          | 12,319                | 4.5    | 551         |                 |                    |            |                              |     |
|             |                                     |   | 6 WITH HERD-MATES   | 17          | 12,724                | 4.6    | 583         | 13              | 12,557             | 528        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 167                | 55         |                              |     |
| 106557      | MEADOW VIEW M. ROAMER.....          |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 03-28-51                            | 96076 188709  | 16 NON-AI DAUGHTERS | 38          | 10,884                | 4.2    | 457         |                 |                    |            |                              |     |
|             | AI STUD, 22-03                      | LISTED, 08-63   | 15 WITH HERD-MATES  | 35          | 10,971                | 4.2    | 464         | 10              | 10,738             | 442        |                              |     |
|             | STATES-                             | 21,33,41,43,48,65,74,81,84                                  |                     |             |                       |        |             | DIFF.           | 233                | 22         |                              |     |
| 106794      | COLONEL-S DEFENDER OF J-A-M.....    |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 07-29-50                            | 48672 197223  | 112 AI DAUGHTERS    | 252         | 10,974                | 4.2    | 462         |                 |                    |            |                              |     |
|             | AI STUD, 31-01                      | LISTED, 08-63   | 93 WITH HERD-MATES  | 214         | 11,082                | 4.2    | 465         | 7               | 11,113             | 459        | 10,754                       | 448 |
|             | STATES-                             | 21,23,31,33,35,42   | 4 NON-AI DAUGHTERS  | 8           | 9,031                 | 4.0    | 365         |                 |                    |            |                              |     |
|             |                                     |   | 4 WITH HERD-MATES   | 8           | 9,031                 | 4.0    | 365         | 5               | 9,924              | 403        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 893-               | 38-        |                              |     |
| 106901      | LEE-S HILL CENTURION M.....         |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 02-25-50                            | 90827 162710  | 139 AI DAUGHTERS    | 322         | 10,827                | 4.3    | 465         |                 |                    |            |                              |     |
|             | AI STUD, 35-05                      | LISTED, 08-63   | 130 WITH HERD-MATES | 305         | 10,788                | 4.3    | 464         | 10              | 10,952             | 448        | 10,619                       | 456 |
|             | STATES-                             | 31,33,35,41,42,47,48,51,55,74,81,82,86,91                   |                     |             |                       |        |             | DIFF.           | 164-               | 16         |                              |     |
| 107506      | HYCREST BUTLER.....                 |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 10-06-50                            | 65421 78476   | 76 NON-AI DAUGHTERS | 157         | 10,632                | 4.2    | 443         |                 |                    |            |                              |     |
|             | AI STUD, 34-01                      | LISTED, 08-63   | 69 WITH HERD-MATES  | 144         | 10,764                | 4.2    | 449         | 13              | 10,987             | 456        |                              |     |
|             | STATES-                             | 11,13,14,16,21,22,23,31,33,34,35,41,51,52,55,57             |                     |             |                       |        |             | DIFF.           | 223-               | 7-         |                              |     |
| 107516      | .....                               |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | AI STUD, 91-01                      | LISTED, 08-63   | 27 AI DAUGHTERS     | 36          | 9,903                 | 4.2    | 419         |                 |                    |            |                              |     |
|             | STATES-                             | 82,91,92  | 27 WITH HERD-MATES  | 36          | 9,903                 | 4.2    | 419         | 59              | 11,075             | 447        | 9,963                        | 422 |
|             |                                     |   | 6 NON-AI DAUGHTERS  | 26          | 9,382                 | 4.3    | 401         |                 |                    |            |                              |     |
|             |                                     |   | 6 WITH HERD-MATES   | 26          | 9,382                 | 4.3    | 401         | 45              | 11,076             | 453        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 1694-              | 52-        |                              |     |
| 107764      | SAMBCW CARLIETT.....                |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 07-12-49                            | 86318 86518   | 22 NON-AI DAUGHTERS | 42          | 12,670                | 4.4    | 558         |                 |                    |            |                              |     |
|             | AI STUD, 35-75                      | LISTED, 08-63   | 19 WITH HERD-MATES  | 34          | 12,721                | 4.4    | 562         | 1               | 12,455             | 531        |                              |     |
|             | STATES-                             | 33  |                     |             |                       |        |             | DIFF.           | 266                | 31         |                              |     |
| 107915      | AUTUMN SUN OF LEE-S HILL.....       |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 02-23-51                            | 55163 171663  | 148 AI DAUGHTERS    | 279         | 11,154                | 4.3    | 476         |                 |                    |            |                              |     |
|             | AI STUD, 35-05                      | LISTED, 08-63   | 122 WITH HERD-MATES | 245         | 10,904                | 4.3    | 465         | 10              | 10,928             | 451        | 10,745                       | 455 |
|             | STATES-                             | 13,14,21,22,23,32,34,35,41,50,51,52,55                      | 9 NON-AI DAUGHTERS  | 24          | 12,368                | 4.4    | 546         |                 |                    |            |                              |     |
|             |                                     |   | 4 WITH HERD-MATES   | 13          | 11,884                | 4.3    | 508         | 6               | 11,770             | 477        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 114                | 31         |                              |     |
| 107999      | URANGEVILLE ACE.....                |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 07-23-51                            | 95956 170555  | 40 AI DAUGHTERS     | 50          | 11,911                | 3.9    | 460         |                 |                    |            |                              |     |
|             | AI STUD, 51-02                      | LISTED, 08-63   | 26 WITH HERD-MATES  | 32          | 12,006                | 3.9    | 472         | 8               | 10,315             | 421        | 11,871                       | 474 |
|             | STATES-                             | 23,51,52,54,55,63   | 18 NON-AI DAUGHTERS | 57          | 13,049                | 3.9    | 506         |                 |                    |            |                              |     |
|             |                                     |   | 17 WITH HERD-MATES  | 50          | 13,217                | 3.9    | 514         | 5               | 11,991             | 495        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 1226               | 19         |                              |     |
| 108542      | IVAN OF LILLY SWISS.....            |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 04-12-51                            | 99590 203675  | 5 AI DAUGHTERS      | 5           | 10,446                | 4.7    | 489         |                 |                    |            |                              |     |
|             | AI STUD, 42-02                      | LISTED, 08-63   | 4 WITH HERD-MATES   | 4           | 10,818                | 4.6    | 495         | 14              | 11,647             | 478        | 10,565                       | 446 |
|             | STATES-                             | 41,42,45,46   | 24 NON-AI DAUGHTERS | 65          | 11,500                | 4.3    | 493         |                 |                    |            |                              |     |
|             |                                     |   | 23 WITH HERD-MATES  | 64          | 11,545                | 4.3    | 495         | 5               | 11,055             | 464        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 829-               | 17         |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 490                | 31         |                              |     |
| 109152      | SIBLEY-S PATRICK LAIRD.....         |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 12-18-50                            | 71151 133104  | 32 AI DAUGHTERS     | 32          | 10,893                | 4.1    | 449         |                 |                    |            |                              |     |
|             | AI STUD, 35-75                      | LISTED, 08-63   | 27 WITH HERD-MATES  | 27          | 11,363                | 4.1    | 462         | 10              | 11,095             | 457        | 10,958                       | 446 |
|             | STATES-                             | 13,16,21,23,32,33,34,35,41,42,47,48,52,55,56,57,58,64,74,84 | 36 NON-AI DAUGHTERS | 75          | 12,817                | 4.1    | 521         |                 |                    |            |                              |     |
|             |                                     |   | 35 WITH HERD-MATES  | 73          | 12,776                | 4.1    | 520         | 8               | 12,622             | 531        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 154                | 11-        |                              |     |
| 109191      | FOUNTAIN CREEK LA NICK.....         |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 03-15-51                            | 71151 176391  | 19 AI DAUGHTERS     | 24          | 11,108                | 3.9    | 437         |                 |                    |            |                              |     |
|             | AI STUD, 34-01                      | LISTED, 08-63   | 18 WITH HERD-MATES  | 23          | 11,091                | 3.9    | 433         | 10              | 10,964             | 445        | 10,839                       | 434 |
|             | STATES-                             | 34  | 19 NON-AI DAUGHTERS | 55          | 11,746                | 4.1    | 478         |                 |                    |            |                              |     |
|             |                                     |   | 15 WITH HERD-MATES  | 50          | 12,433                | 4.1    | 506         | 21              | 12,115             | 494        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 318                | 12         |                              |     |
| 109596      | SPRING VALLEY LARGO.....            |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 12-14-50                            | 71151 61653   | 46 AI DAUGHTERS     | 53          | 12,174                | 4.3    | 529         |                 |                    |            |                              |     |
|             | AI STUD, 42-02                      | LISTED, 08-63   | 45 WITH HERD-MATES  | 52          | 12,174                | 4.4    | 530         | 9               | 10,981             | 465        | 11,698                       | 493 |
|             | STATES-                             | 13,33,35,42,47  | 8 NON-AI DAUGHTERS  | 25          | 10,114                | 4.4    | 440         |                 |                    |            |                              |     |
|             |                                     |   | 7 WITH HERD-MATES   | 24          | 9,514                 | 4.4    | 416         | 12              | 11,120             | 464        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 1606-              | 48-        |                              |     |
| 109762      | GAIL-S ROYAL OF FRIENDLY ACRES..... |   |                     |             |                       |        |             |                 |                    |            |                              |     |
|             | 08-04-51                            | 94888 177691  | 177 AI DAUGHTERS    | 317         | 10,423                | 4.1    | 423         |                 |                    |            |                              |     |
|             | AI STUD, 41-01                      | LISTED, 08-63   | 159 WITH HERD-MATES | 288         | 10,539                | 4.1    | 428         | 7               | 10,897             | 442        | 10,434                       | 428 |
|             | STATES-                             | 22,23,31,32,33,35,41,42,45,47,58,73,74                      | 15 NON-AI DAUGHTERS | 31          | 11,811                | 4.1    | 487         |                 |                    |            |                              |     |
|             |                                     |   | 14 WITH HERD-MATES  | 30          | 12,020                | 4.1    | 496         | 7               | 11,937             | 494        |                              |     |
|             |                                     |   |                     |             |                       |        |             | DIFF.           | 83                 | 2          |                              |     |

## SIREs OF DHIA DAUGHTERS

| BRDWN SWISS   |                                   |     |                  | AV. RECORDS | PRODUCTION OF MILK | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|-----------------------------------|-----|------------------|-------------|--------------------|--------|-------------|------------------|--------------------|------------|-------------------|------------|
| 109953  | P. V. WDNDER LAD-S JERRY.....     |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 09-01-51  | 92785 101585                      | 14  | AI DAUGHTERS     | 18          | 10,922             | 4.0    | 438         |                  |                    |            |                   |            |
| AI STUD, 35-02  | LISTED, 08-63                     | 14  | WITH HERD-MATES  | 17          | 10,961             | 4.0    | 442         | 10               | 10,771             | 431        | 10,852            | 446        |
| STATES- 34,35,42  |                                   |     |                  |             |                    |        |             | DIFF.            | 190                | 11         |                   |            |
|   |                                   | 16  | NDN-AI DAUGHTERS | 51          | 13,040             | 4.0    | 520         | 4                | 11,712             | 487        |                   |            |
|   |                                   | 16  | WITH HERD-MATES  | 47          | 13,111             | 4.0    | 524         | OIFF.            | 1399               | 37         |                   |            |
| 109955  | .....                             |     |                  |             |                    |        |             |                  |                    |            |                   |            |
|   |                                   | 39  | AI DAUGHTERS     | 49          | 9,780              | 4.0    | 395         |                  |                    |            |                   |            |
| AI STUD, 41-01  | LISTED, 08-63                     | 39  | WITH HERD-MATES  | 49          | 9,780              | 4.0    | 395         | 8                | 10,697             | 430        | 10,049            | 414        |
| STATES- 21,31,32,34,41,42,45,46                               |                                   |     |                  |             |                    |        |             | OIFF.            | 917-               | 35-        |                   |            |
|   |                                   | 15  | NDN-AI DAUGHTERS | 30          | 12,019             | 4.2    | 507         | 11               | 11,561             | 482        |                   |            |
|   |                                   | 15  | WITH HERD-MATES  | 30          | 12,019             | 4.2    | 507         | OIFF.            | 458                | 25         |                   |            |
| 110030  | HAPPY OURS GLENDA-S SQUIRE.....   |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 02-17-51  | 97603 146460                      | 6   | AI DAUGHTERS     | 11          | 13,501             | 4.0    | 544         |                  |                    |            |                   |            |
| AI STUD, 87-01  | LISTED, 08-63                     | 9   | NDN-AI DAUGHTERS | 30          | 12,037             | 4.1    | 491         |                  |                    |            |                   |            |
| STATES- 82,87   |                                   | 9   | WITH HERD-MATES  | 23          | 12,188             | 4.1    | 497         | 2                | 11,000             | 439        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 1188               | 58         |                   |            |
| 110327  | NDRVIC ELAIM.....                 |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 08-08-51  | 92099 123672                      | 33  | NDN-AI DAUGHTERS | 92          | 10,785             | 3.8    | 408         |                  |                    |            |                   |            |
| AI STUD, 35-05  | LISTED, 08-63                     | 32  | WITH HERD-MATES  | 89          | 10,779             | 3.8    | 408         | 5                | 9,927              | 393        |                   |            |
| STATES- 32,35,42,48   |                                   |     |                  |             |                    |        |             | OIFF.            | 852                | 15         |                   |            |
| 110831  | .....                             |     |                  |             |                    |        |             |                  |                    |            |                   |            |
|   |                                   | 5   | NON-AI DAUGHTERS | 11          | 10,727             | 4.2    | 446         |                  |                    |            |                   |            |
| STATES- 35,63   |                                   | 5   | WITH HERD-MATES  | 11          | 10,727             | 4.2    | 446         | 11               | 11,418             | 459        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 691-               | 13-        |                   |            |
| 111590  | LEE-S HILL CUSTODIAN M.....       |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 06-19-51  | 90827 98780                       | 37  | NDN-AI DAUGHTERS | 91          | 11,511             | 4.3    | 499         |                  |                    |            |                   |            |
| AI STUD, 16-04  | LISTED, 08-63                     | 36  | WITH HERD-MATES  | 88          | 11,309             | 4.3    | 489         | 10               | 12,825             | 544        |                   |            |
| STATES- 11,12,13,14,16,55                                     |                                   |     |                  |             |                    |        |             | DIFF.            | 1516-              | 55-        |                   |            |
| 112216  | LEE-S HILL DZARK M.....           |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 03-11-52  | 90827 171673                      | 6   | AI DAUGHTERS     | 6           | 11,635             | 3.8    | 447         |                  |                    |            |                   |            |
| AI STUD, 35-02  | LISTED, 08-63                     | 6   | WITH HERD-MATES  | 6           | 11,635             | 3.8    | 447         | 9                | 11,669             | 475        | 10,769            | 433        |
| STATES- 16,21,23,31,33,35,43,48,52,56,73,74,84                |                                   |     |                  |             |                    |        |             | DIFF.            | 34-                | 28-        |                   |            |
|   |                                   | 42  | NON-AI DAUGHTERS | 94          | 11,768             | 4.1    | 485         |                  |                    |            |                   |            |
|   |                                   | 40  | WITH HERD-MATES  | 87          | 11,805             | 4.1    | 484         | 14               | 11,296             | 462        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 509                | 22         |                   |            |
| 112631  | .....                             |     |                  |             |                    |        |             |                  |                    |            |                   |            |
|   |                                   | 5   | NDN-AI DAUGHTERS | 7           | 10,278             | 4.6    | 473         |                  |                    |            |                   |            |
| STATES- 41,45   |                                   | 3   | WITH HERD-MATES  | 5           | 10,460             | 4.8    | 497         | 7                | 10,936             | 456        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 476-               | 41         |                   |            |
| 113925  | MILLROSE BARBETTE-S COUNT.....    |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 11-02-52  | 93701 86198                       | 25  | AI DAUGHTERS     | 50          | 12,228             | 4.0    | 488         |                  |                    |            |                   |            |
| AI STUD, 35-02  | LISTED, 08-63                     | 23  | WITH HERD-MATES  | 48          | 12,392             | 4.0    | 491         | 9                | 11,296             | 455        | 11,498            | 465        |
| STATES- 34,35,41,45   |                                   |     |                  |             |                    |        |             | OIFF.            | 1096               | 36         |                   |            |
| 114123  | NDRVIC MASTER INFIELDER.....      |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 09-08-52  | 106902 175029                     | 241 | AI DAUGHTERS     | 284         | 11,722             | 4.2    | 496         |                  |                    |            |                   |            |
| AI STUD, 33-01  | LISTED, 08-63                     | 231 | WITH HERD-MATES  | 269         | 11,755             | 4.2    | 497         | 7                | 11,346             | 471        | 11,196            | 469        |
| STATES- 16,21,22,23,31,32,33,34,35,41,43,47,51,58,61,63,73,84 |                                   |     |                  |             |                    |        |             | DIFF.            | 409                | 26         |                   |            |
|   |                                   | 15  | NON-AI DAUGHTERS | 31          | 12,029             | 4.3    | 521         |                  |                    |            |                   |            |
|   |                                   | 2   | WITH HERD-MATES  | 4           | 9,834              | 4.5    | 439         | 8                | 12,134             | 500        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 2300-              | 61-        |                   |            |
| 114138  | .....                             |     |                  |             |                    |        |             |                  |                    |            |                   |            |
|   |                                   | 5   | NDN-AI DAUGHTERS | 6           | 8,755              | 4.4    | 383         |                  |                    |            |                   |            |
| STATES- 23  |                                   | 5   | WITH HERD-MATES  | 5           | 8,828              | 4.4    | 385         | 6                | 10,541             | 452        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 1713-              | 67-        |                   |            |
| 114408  | STARK ROSE-S VELVET PRINCE.....   |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 02-11-52  | 100601 175745                     | 16  | AI DAUGHTERS     | 17          | 11,155             | 4.3    | 481         |                  |                    |            |                   |            |
| AI STUD, 41-01  | LISTED, 08-63                     | 16  | WITH HERD-MATES  | 16          | 11,284             | 4.3    | 485         | 6                | 10,938             | 441        | 10,958            | 466        |
| STATES- 41,42,45  |                                   |     |                  |             |                    |        |             | DIFF.            | 346                | 44         |                   |            |
|   |                                   | 21  | NDN-AI DAUGHTERS | 46          | 11,640             | 4.2    | 492         | 5                | 11,279             | 470        |                   |            |
|   |                                   | 21  | WITH HERD-MATES  | 46          | 11,640             | 4.2    | 492         | DIFF.            | 361                | 22         |                   |            |
| 114863  | CLAYTONDALE JANE-S MERIDIAN.....  |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 08-28-52  | 90827 228048                      | 3   | AI DAUGHTERS     | 4           | 11,210             | 3.8    | 421         |                  |                    |            |                   |            |
| AI STUD, 35-03  | LISTED, 08-63                     | 3   | WITH HERD-MATES  | 4           | 11,210             | 3.8    | 421         | 7                | 10,431             | 413        | 10,899            | 442        |
| STATES- 21,23,31,32,35,41                                     |                                   |     |                  |             |                    |        |             | OIFF.            | 779                | 8          |                   |            |
|   |                                   | 8   | NON-AI DAUGHTERS | 21          | 11,277             | 4.2    | 477         |                  |                    |            |                   |            |
|   |                                   | 7   | WITH HERD-MATES  | 20          | 10,594             | 4.2    | 447         | 10               | 11,291             | 477        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 697-               | 30-        |                   |            |
| 114934  | CRIBLEZ COLDNEL.....              |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 09-16-51  | 96441 199840                      | 51  | AI DAUGHTERS     | 86          | 9,580              | 4.4    | 420         |                  |                    |            |                   |            |
| AI STUD, 48-01  | LISTED, 08-63                     | 44  | WITH HERD-MATES  | 72          | 9,300              | 4.4    | 409         | 9                | 9,963              | 411        | 10,171            | 437        |
| STATES- 31,48,51,73,74  |                                   |     |                  |             |                    |        |             | OIFF.            | 663-               | 2-         |                   |            |
|   |                                   | 4   | NDN-AI DAUGHTERS | 16          | 12,166             | 4.3    | 519         |                  |                    |            |                   |            |
|   |                                   | 4   | WITH HERD-MATES  | 16          | 12,166             | 4.3    | 519         | 7                | 11,716             | 475        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 450                | 44         |                   |            |
| 114959  | LEE-S HILL KEEPER-S RAMPART.....  |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 09-08-52  | 55163 115541                      | 125 | AI DAUGHTERS     | 196         | 10,977             | 4.1    | 455         |                  |                    |            |                   |            |
| AI STUD, 23-05  | LISTED, 08-63                     | 112 | WITH HERD-MATES  | 178         | 11,206             | 4.1    | 463         | 9                | 11,016             | 458        | 10,945            | 447        |
| STATES- 16,23,31,32,33,34,35,50,51,55,57                      |                                   |     |                  |             |                    |        |             | DIFF.            | 190                | 5          |                   |            |
|   |                                   | 19  | NDN-AI DAUGHTERS | 43          | 10,945             | 4.1    | 452         |                  |                    |            |                   |            |
|   |                                   | 13  | WITH HERD-MATES  | 37          | 11,213             | 4.2    | 466         | 12               | 10,940             | 456        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 273                | 10         |                   |            |
| 115009  | YDUNKER HOMESTEAD-S SHAMRDCK..... |     |                  |             |                    |        |             |                  |                    |            |                   |            |
| 02-26-52  | 76059 137415                      | 1   | AI DAUGHTERS     | 1           | 11,400             | 4.7    | 540         |                  |                    |            |                   |            |
| AI STUD, 34-01  | LISTED, 08-63                     | 1   | WITH HERD-MATES  | 1           | 11,400             | 4.7    | 540         | 2                | 11,288             | 505        | 10,762            | 444        |
| STATES- 31,32,34  |                                   |     |                  |             |                    |        |             | DIFF.            | 112                | 35         |                   |            |
|   |                                   | 17  | NDN-AI DAUGHTERS | 40          | 11,774             | 4.4    | 515         |                  |                    |            |                   |            |
|   |                                   | 15  | WITH HERD-MATES  | 38          | 11,908             | 4.4    | 520         | 5                | 12,733             | 544        |                   |            |
|   |                                   |     |                  |             |                    |        |             | DIFF.            | 825-               | 24-        |                   |            |



## SIRE OF DHIA DAUGHTERS

| BROWN SWISS  | AV. PRODUCTION OF |        |      |     | DAU. | ADJ. HERD-MATES AV. |        |      | PREDICTED AV. |     |
|--|-------------------|--------|------|-----|------|---------------------|--------|------|---------------|-----|
|  | RECORDS           | MILK   | TEST | FAT |      | NUMBER              | MILK   | FAT  | MILK          | FAT |
|  | NUMBER            | LB     | %    | LB  |      |                     | LB     | LB   | LB            | LB  |
| 115176 PE88LECREEK JOY-S CREATOR.....              |                   |        |      |     |      |                     |        |      |               |     |
| 11-01-52 108419 218830 42 NON-AI DAUGHTERS         | 110               | 10,184 | 4.2  | 431 |      |                     |        |      |               |     |
| AI STUD, 35-75 LISTED, 08-63 39 WITH HERD-MATES    | 102               | 10,108 | 4.2  | 427 |      | 7                   | 10,070 | 412  |               |     |
| STATES- 21,51,55                                   |                   |        |      |     |      | DIFF.               | 38     | 15   |               |     |
| 115344 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                                 | 9                 | 10,726 | 4.3  | 458 |      |                     |        |      |               |     |
| STATES- 33 5 WITH HERD-MATES                       | 9                 | 10,726 | 4.3  | 458 |      | 3                   | 12,340 | 534  |               |     |
|  |                   |        |      |     |      | DIFF.               | 1614-  | 76-  |               |     |
| 115881 LEE-S HILL GENESIS M.....                   |                   |        |      |     |      |                     |        |      |               |     |
| 10-10-52 90827 162710 159 AI DAUGHTERS             | 273               | 10,600 | 4.1  | 433 |      |                     |        |      |               |     |
| AI STUD, 23-05 LISTED, 08-63 136 WITH HERD-MATES   | 237               | 10,632 | 4.1  | 435 |      | 8                   | 10,941 | 457  | 10,486        | 423 |
| STATES- 22,23,32,51                                |                   |        |      |     |      | DIFF.               | 309-   | 22-  |               |     |
| 116055 MAIDA-S TAMARIND OF TWIN GATE.....          |                   |        |      |     |      |                     |        |      |               |     |
| 10-12-52 76059 204530 163 AI DAUGHTERS             | 307               | 10,309 | 4.2  | 433 |      |                     |        |      |               |     |
| AI STUD, 33-01 LISTED, 08-63 148 WITH HERD-MATES   | 284               | 10,429 | 4.2  | 438 |      | 8                   | 11,139 | 459  | 10,133        | 424 |
| STATES- 14,23,33,35,42,51,57, 58,63,64,73,74,82,86 |                   |        |      |     |      | DIFF.               | 710-   | 21-  |               |     |
| 116273 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 34 NON-AI DAUGHTERS                                | 53                | 10,572 | 4.4  | 460 |      |                     |        |      |               |     |
| AI STUD, 61-01 LISTED, 08-63 34 WITH HERD-MATES    | 53                | 10,572 | 4.4  | 460 |      | 24                  | 11,644 | 494  |               |     |
| STATES- 13,21,23,31,33,51,52                       |                   |        |      |     |      | DIFF.               | 1072-  | 34-  |               |     |
| 117219 BONANZA SENATOR.....                        |                   |        |      |     |      |                     |        |      |               |     |
| 11-15-53 75432 206636 9 AI DAUGHTERS               | 12                | 13,229 | 4.1  | 536 |      |                     |        |      |               |     |
| AI STUD, 41-25 LISTED, 08-63 9 WITH HERD-MATES     | 12                | 13,229 | 4.1  | 536 |      | 7                   | 11,290 | 480  | 11,587        | 466 |
| STATES- 41,47                                      |                   |        |      |     |      | DIFF.               | 1939   | 56   |               |     |
| 1 NON-AI DAUGHTERS                                 | 1                 | 5,170  | 3.6  | 184 |      |                     |        |      |               |     |
| 1 WITH HERD-MATES                                  | 1                 | 5,170  | 3.6  | 184 |      | 1                   | 11,307 | 450  |               |     |
|  |                   |        |      |     |      | DIFF.               | 6137-  | 266- |               |     |
| 117638 NORVIC MASTER CLIPPER.....                  |                   |        |      |     |      |                     |        |      |               |     |
| 01-17-53 106902 132995 42 AI DAUGHTERS             | 42                | 10,555 | 4.2  | 441 |      |                     |        |      |               |     |
| AI STUD, 42-02 LISTED, 08-63 37 WITH HERD-MATES    | 37                | 10,668 | 4.2  | 447 |      | 7                   | 10,931 | 447  | 10,566        | 442 |
| STATES- 35,42,47,56,74,84                          |                   |        |      |     |      | DIFF.               | 263-   |      |               |     |
| 28 NON-AI DAUGHTERS                                | 57                | 11,689 | 4.0  | 471 |      |                     |        |      |               |     |
| 27 WITH HERD-MATES                                 | 56                | 11,696 | 4.0  | 472 |      | 7                   | 12,054 | 483  |               |     |
|  |                   |        |      |     |      | DIFF.               | 358-   | 11-  |               |     |
| 118142 HIGHLAND HOME NELL-S NED D.....             |                   |        |      |     |      |                     |        |      |               |     |
| 07-17-53 52728 188162 49 NON-AI DAUGHTERS          | 92                | 13,438 | 4.2  | 570 |      |                     |        |      |               |     |
| AI STUD, 41-25 LISTED, 08-63 28 WITH HERD-MATES    | 46                | 13,453 | 4.2  | 571 |      | 7                   | 12,522 | 494  |               |     |
| STATES- 42   |                   |        |      |     |      | DIFF.               | 931    | 77   |               |     |
| 118498 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 6 NON-AI DAUGHTERS                                 | 6                 | 12,655 | 3.8  | 487 |      |                     |        |      |               |     |
| STATES- 32 6 WITH HERD-MATES                       | 6                 | 12,655 | 3.8  | 487 |      | 7                   | 11,912 | 475  |               |     |
|  |                   |        |      |     |      | DIFF.               | 743    | 12   |               |     |
| 118619 MEADOW VIEW DESTINY.....                    |                   |        |      |     |      |                     |        |      |               |     |
| 07-22-53 106557 212032 29 AI DAUGHTERS             | 29                | 12,576 | 4.1  | 519 |      |                     |        |      |               |     |
| AI STUD, 41-25 LISTED, 08-63 26 WITH HERD-MATES    | 26                | 12,648 | 4.1  | 520 |      | 13                  | 10,668 | 447  | 12,091        | 491 |
| STATES- 32,42,45                                   |                   |        |      |     |      | DIFF.               | 1980   | 73   |               |     |
| 35 NON-AI DAUGHTERS                                | 77                | 15,547 | 3.7  | 579 |      |                     |        |      |               |     |
| 34 WITH HERD-MATES                                 | 76                | 15,687 | 3.7  | 585 |      | 7                   | 12,152 | 471  |               |     |
|  |                   |        |      |     |      | DIFF.               | 3535   | 114  |               |     |
| 118798 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                                 | 5                 | 13,088 | 4.2  | 544 |      |                     |        |      |               |     |
| STATES- 22 1 WITH HERD-MATES                       | 1                 | 14,720 | 4.3  | 636 |      | 16                  | 11,456 | 464  |               |     |
|  |                   |        |      |     |      | DIFF.               | 3264   | 172  |               |     |
| 118838 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                                 | 5                 | 11,694 | 4.1  | 475 |      |                     |        |      |               |     |
| STATES- 35,86 4 WITH HERD-MATES                    | 4                 | 12,165 | 4.0  | 488 |      | 43                  | 10,639 | 428  |               |     |
|  |                   |        |      |     |      | DIFF.               | 1526   | 60   |               |     |
| 119748 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                                 | 6                 | 12,643 | 4.1  | 523 |      |                     |        |      |               |     |
| STATES- 47,83 5 WITH HERD-MATES                    | 6                 | 12,643 | 4.1  | 523 |      | 5                   | 11,011 | 460  |               |     |
|  |                   |        |      |     |      | DIFF.               | 1632   | 63   |               |     |
| 119912 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                                 | 5                 | 11,040 | 3.9  | 436 |      |                     |        |      |               |     |
| STATES- 91 5 WITH HERD-MATES                       | 5                 | 11,040 | 3.9  | 436 |      | 4                   | 10,487 | 392  |               |     |
|  |                   |        |      |     |      | DIFF.               | 553    | 44   |               |     |
| 120033 BENECALE NORA-S SYMBOL.....                 |                   |        |      |     |      |                     |        |      |               |     |
| 11-11-53 88545 156493 134 AI DAUGHTERS             | 225               | 10,850 | 4.2  | 457 |      |                     |        |      |               |     |
| AI STUD, 33-01 LISTED, 08-63 123 WITH HERD-MATES   | 212               | 10,821 | 4.2  | 456 |      | 8                   | 10,737 | 445  | 10,826        | 451 |
| STATES- 23,33,35,42,64,73,74                       |                   |        |      |     |      | DIFF.               | 84     | 11   |               |     |
| 120415 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                                 | 10                | 12,198 | 4.3  | 524 |      |                     |        |      |               |     |
| STATES- 13,33,35,42,48 5 WITH HERD-MATES           | 10                | 12,198 | 4.3  | 524 |      | 8                   | 11,233 | 456  |               |     |
|  |                   |        |      |     |      | DIFF.               | 965    | 68   |               |     |
| 120448 BLACKLAND LAIRD PRANCER.....                |                   |        |      |     |      |                     |        |      |               |     |
| 05-07-54 71151 158927 97 AI DAUGHTERS              | 125               | 12,430 | 4.1  | 507 |      |                     |        |      |               |     |
| AI STUD, 21-01 LISTED, 08-63 92 WITH HERD-MATES    | 117               | 12,401 | 4.1  | 505 |      | 11                  | 11,450 | 474  | 11,648        | 471 |
| STATES- 12,14,16,21,22,23,55                       |                   |        |      |     |      | DIFF.               | 951    | 31   |               |     |
| 120699 NORVIC MASTER MODELER.....                  |                   |        |      |     |      |                     |        |      |               |     |
| 09-05-54 106902 226590 18 NON-AI DAUGHTERS         | 38                | 10,439 | 4.3  | 452 |      |                     |        |      |               |     |
| AI STUD, 35-05 LISTED, 08-63 17 WITH HERD-MATES    | 37                | 10,632 | 4.3  | 458 |      | 4                   | 11,380 | 466  |               |     |
| STATES- 35   |                   |        |      |     |      | DIFF.               | 748-   | 8-   |               |     |
| 121310 .....                                       |                   |        |      |     |      |                     |        |      |               |     |
| 5 NON-AI DAUGHTERS                                 | 11                | 11,692 | 4.6  | 532 |      |                     |        |      |               |     |
| STATES- 51 5 WITH HERD-MATES                       | 11                | 11,692 | 4.6  | 532 |      | 11                  | 11,798 | 517  |               |     |
|  |                   |        |      |     |      | DIFF.               | 106-   | 15   |               |     |

## SIRE OF DHIA DAUGHTERS

| BROWN SWISS  |                                     |                  | AV. RECORDS |        | PRODUCTION OF MILK |     | TEST % |  | DAU. FAT LB |  | ADJ. AV. MILK LB |        | HERD-MATES AV. FAT LB |  | PREDICTED AV. MILK LB |        | FAT LB |  |
|--|-------------------------------------|------------------|-------------|--------|--------------------|-----|--------|--|-------------|--|------------------|--------|-----------------------|--|-----------------------|--------|--------|--|
|  |                                     |                  | NUMBER      |        | LB                 |     |        |  | LB          |  | NUMBER           |        | LB                    |  | LB                    |        | LB     |  |
| 121938   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 84   | 5                                   | NDN-AI DAUGHTERS | 5           | 12,848 | 4.5                | 579 |        |  |             |  | 16               | 11,565 | 480                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 5           | 12,848 | 4.5                | 579 |        |  |             |  | DIFF.            | 1283   | 99                    |  |                       |        |        |  |
| 121957   | NORVIC MASTER POLLYMAN.....         |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 07-17-54   | 106902                              | 190880           | 13          | 11,954 | 4.2                | 498 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 41-25   | LISTED, 08-63                       |                  | 13          | 11,813 | 4.2                | 492 |        |  |             |  | 10               | 10,777 | 447                   |  |                       |        |        |  |
| STATES- 31,33,35,41,42   |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 1036   | 45                    |  |                       |        |        |  |
| 122004   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 33,48  | 6                                   | NDN-AI DAUGHTERS | 8           | 10,883 | 3.8                | 417 |        |  |             |  | 3                | 10,386 | 396                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 7           | 11,200 | 3.8                | 424 |        |  |             |  | DIFF.            | 814    | 28                    |  |                       |        |        |  |
| 122224   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 31   | 5                                   | NDN-AI DAUGHTERS | 7           | 11,963 | 4.0                | 477 |        |  |             |  | 9                | 13,013 | 529                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 7           | 11,963 | 4.0                | 477 |        |  |             |  | DIFF.            | 1050-  | 52-                   |  |                       |        |        |  |
| 122242   | MISCHKE-S ADVANCER.....             |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 10-03-54   | 114125                              | 153872           | 7           | 12,600 | 3.9                | 492 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 93-05   | LISTED, 08-63                       |                  | 5           | 12,492 | 3.8                | 478 |        |  |             |  | 7                | 11,065 | 449                   |  |                       | 11,173 | 450    |  |
| STATES- 81,82  |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 1427   | 29                    |  |                       |        |        |  |
| 122548   | WALNUT CREEK GOLDEN SDL.....        |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 06-18-54   | 102187                              | 197410           | 11          | 11,411 | 4.2                | 475 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 35-75   | LISTED, 08-63                       |                  | 11          | 11,411 | 4.2                | 475 |        |  |             |  | 6                | 11,666 | 469                   |  |                       |        |        |  |
| STATES- 33,74  |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 255-   | 6                     |  |                       |        |        |  |
| 122638   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 34,42  | 5                                   | NDN-AI DAUGHTERS | 6           | 9,419  | 4.7                | 444 |        |  |             |  | 9                | 10,296 | 419                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 6           | 9,419  | 4.7                | 444 |        |  |             |  | DIFF.            | 877-   | 25                    |  |                       |        |        |  |
| 122843   | NORVIC MASTER MODENA.....           |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 07-24-54   | 106902                              | 262639           | 3           | 10,703 | 4.2                | 446 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 42-02   | LISTED, 08-63                       |                  | 3           | 10,703 | 4.2                | 446 |        |  |             |  | 6                | 9,323  | 390                   |  |                       | 10,997 | 451    |  |
| STATES- 35,42,84   |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 1380   | 56                    |  |                       |        |        |  |
|  | 12                                  | NDN-AI DAUGHTERS | 29          | 8,662  | 4.2                | 366 |        |  |             |  | 6                | 10,891 | 459                   |  |                       |        |        |  |
|  | 12                                  | WITH HERD-MATES  | 27          | 8,572  | 4.2                | 362 |        |  |             |  | DIFF.            | 2319-  | 97-                   |  |                       |        |        |  |
| 122885   | WELCCME IN DIAMOND CUTTER.....      |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 02-19-55   | 116273                              | 150821           | 30          | 9,831  | 4.1                | 404 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 16-04   | LISTED, 08-63                       |                  | 30          | 9,831  | 4.1                | 404 |        |  |             |  | 12               | 10,983 | 451                   |  |                       |        |        |  |
| STATES- 14,16,21,23,50,51,52,55                                  |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 1152-  | 47-                   |  |                       |        |        |  |
| 122914   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 32   | 5                                   | NDN-AI DAUGHTERS | 6           | 10,595 | 4.1                | 437 |        |  |             |  | 7                | 10,872 | 419                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 6           | 10,595 | 4.1                | 437 |        |  |             |  | DIFF.            | 277-   | 18                    |  |                       |        |        |  |
| 122962   | FORTUNE-S FOREMOST DF THIN DAK..... |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 08-01-54   | 101496                              | 153382           | 14          | 10,624 | 4.3                | 454 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 42-02   | LISTED, 08-63                       |                  | 14          | 10,624 | 4.3                | 454 |        |  |             |  | 10               | 10,930 | 449                   |  |                       |        |        |  |
| STATES- 35,41,42   |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 306-   | 5                     |  |                       |        |        |  |
| 123323   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 33-03   | LISTED, 08-63                       |                  | 60          | 12,805 | 4.0                | 512 |        |  |             |  | 11               | 10,960 | 448                   |  |                       | 12,408 | 498    |  |
| STATES- 13,14,16,21,22,23,31,32,33,34,35,41,42,46,56,57,63,82,92 |                                     |                  | 56          | 12,961 | 4.0                | 517 |        |  |             |  | DIFF.            | 2001   | 69                    |  |                       |        |        |  |
| 123326   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 21   | 5                                   | NDN-AI DAUGHTERS | 5           | 13,652 | 4.3                | 583 |        |  |             |  | 10               | 12,715 | 542                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 5           | 13,652 | 4.3                | 583 |        |  |             |  | DIFF.            | 937    | 41                    |  |                       |        |        |  |
| 123511   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 52,55  | 5                                   | NDN-AI DAUGHTERS | 5           | 7,472  | 4.1                | 310 |        |  |             |  | 25               | 10,254 | 421                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 5           | 7,472  | 4.1                | 310 |        |  |             |  | DIFF.            | 2782-  | 111-                  |  |                       |        |        |  |
| 123953   | V. B. PREDICTOR PAUL.....           |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 04-05-55   | 115483                              | 197948           | 30          | 13,443 | 3.8                | 509 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 41-01   | LISTED, 08-63                       |                  | 30          | 13,443 | 3.8                | 509 |        |  |             |  | 7                | 12,427 | 506                   |  |                       |        |        |  |
| STATES- 35,41,42   |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 1016   | 3                     |  |                       |        |        |  |
| 124162   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 42   | 5                                   | NDN-AI DAUGHTERS | 9           | 8,692  | 4.2                | 362 |        |  |             |  | 11               | 9,262  | 374                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 9           | 8,692  | 4.2                | 362 |        |  |             |  | DIFF.            | 570-   | 12-                   |  |                       |        |        |  |
| 124262   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 33   | 6                                   | NDN-AI DAUGHTERS | 6           | 11,473 | 4.4                | 504 |        |  |             |  | 3                | 10,458 | 453                   |  |                       |        |        |  |
|  | 4                                   | WITH HERD-MATES  | 4           | 12,503 | 4.6                | 581 |        |  |             |  | DIFF.            | 2045   | 128                   |  |                       |        |        |  |
| 124286   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 35   | 5                                   | NDN-AI DAUGHTERS | 8           | 12,742 | 3.9                | 501 |        |  |             |  | 20               | 12,851 | 519                   |  |                       |        |        |  |
|  | 5                                   | WITH HERD-MATES  | 8           | 12,742 | 3.9                | 501 |        |  |             |  | DIFF.            | 109-   | 18-                   |  |                       |        |        |  |
| 124396   | V. B. ROAMER PAVANNE.....           |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| 10-16-55   | 119848                              | 250654           | 29          | 11,650 | 4.0                | 462 |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| AI STUD, 61-01   | LISTED, 08-63                       |                  | 27          | 11,996 | 4.0                | 476 |        |  |             |  | 8                | 11,465 | 461                   |  |                       | 11,165 | 453    |  |
| STATES- 61   |                                     |                  |             |        |                    |     |        |  |             |  | DIFF.            | 531    | 15                    |  |                       |        |        |  |
| 124600   |                                     |                  |             |        |                    |     |        |  |             |  |                  |        |                       |  |                       |        |        |  |
| STATES- 61   | 7                                   | NDN-AI DAUGHTERS | 7           | 9,967  | 3.9                | 387 |        |  |             |  | 5                | 7,327  | 277                   |  |                       |        |        |  |
|  | 7                                   | WITH HERD-MATES  | 7           | 9,967  | 3.9                | 387 |        |  |             |  | DIFF.            | 2640   | 110                   |  |                       |        |        |  |

## SIREs OF DHIA DAUGHTERS

| BROWN SWISS                            | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 124609 .....                           |                        |                  |           |           |                     |            |           |               |           |
| AI STUO, 21-01 LISTED, DB-63           | 176                    | AI DAUGHTERS     | 284       | 11,850    | 4.0                 | 477        |           |               |           |
| STATES- 11,12,13,14,16,21,32           | 169                    | WITH HERD-MATES  | 266       | 11,894    | 4.0                 | 478        | 10        | 11,381        | 471       |
|  | 2                      | NON-AI DAUGHTERS |           | 12,020    | 3.9                 | 466        | DIFF.     | 513           | 7         |
| 124788 SUNSET VIEW PRINCE RAINIER..... |                        |                  |           |           |                     |            |           |               |           |
| D7-11-55 116269 251324                 | 22                     | AI DAUGHTERS     | 22        | 13,341    | 4.2                 | 557        |           |               |           |
| AI STUO, 35-04 LISTED, DB-63           | 22                     | WITH HERD-MATES  | 22        | 13,341    | 4.2                 | 557        | 10        | 12,363        | 510       |
| STATES- 14,23,35,41,74,84              |                        |                  |           |           |                     |            | DIFF.     | 978           | 47        |
|  | 3                      | NON-AI DAUGHTERS | 6         | 13,303    | 4.2                 | 564        | 15        | 12,669        | 525       |
|  | 3                      | WITH HERD-MATES  | 6         | 13,303    | 4.2                 | 564        | DIFF.     | 634           | 39        |
| 124881 KEEP PARTNERS OF FENLEA.....    |                        |                  |           |           |                     |            |           |               |           |
| D3-20-55 105007 233912                 | 12                     | NON-AI DAUGHTERS | 17        | 12,212    | 4.0                 | 494        |           |               |           |
| AI STUO, 41-01 LISTED, DB-63           | 11                     | WITH HERD-MATES  | 16        | 12,089    | 4.0                 | 487        | 29        | 11,818        | 483       |
| STATES- 35,41,46                       |                        |                  |           |           |                     |            | DIFF.     | 271           | 4         |
| 125021 LA RAINBOW GINGER BGY.....      |                        |                  |           |           |                     |            |           |               |           |
| O4-21-55 115152 269394                 | 24                     | AI DAUGHTERS     | 33        | 9,727     | 4.0                 | 386        |           |               |           |
| AI STUO, 35-03 LISTED, DB-63           | 24                     | WITH HERD-MATES  | 33        | 9,727     | 4.0                 | 386        | 8         | 10,302        | 414       |
| STATES- 31,32,33,35,63                 |                        |                  |           |           |                     |            | DIFF.     | 575-          | 28-       |
|  | 1                      | NON-AI DAUGHTERS | 3         | 8,747     | 4.4                 | 387        | 6         | 12,603        | 540       |
|  | 1                      | WITH HERD-MATES  | 3         | 8,747     | 4.4                 | 387        | DIFF.     | 3856-         | 153-      |
| 125151 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 16,22                          | 5                      | NON-AI DAUGHTERS | 9         | 11,913    | 4.3                 | 517        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 9         | 11,913    | 4.3                 | 517        | 10        | 12,318        | 524       |
|  |                        |                  |           |           |                     |            | DIFF.     | 405-          | 7-        |
| 125273 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41                             | 14                     | NON-AI DAUGHTERS | 16        | 11,608    | 4.2                 | 489        |           |               |           |
|  | 14                     | WITH HERD-MATES  | 16        | 11,608    | 4.2                 | 489        | 6         | 11,882        | 471       |
|  |                        |                  |           |           |                     |            | DIFF.     | 274-          | 18        |
| 125283 HARRIET-S ROYAL APDLLD.....     |                        |                  |           |           |                     |            |           |               |           |
| O3-04-56 116269 286712                 | 12                     | NON-AI DAUGHTERS | 18        | 12,060    | 4.5                 | 545        |           |               |           |
| AI STUO, 34-01 LISTED, DB-63           | 12                     | WITH HERD-MATES  | 18        | 12,060    | 4.5                 | 545        | 5         | 13,322        | 579       |
| STATES- 34                             |                        |                  |           |           |                     |            | DIFF.     | 1262-         | 34-       |
| 125472 MEADOW VIEW JARED C.....        |                        |                  |           |           |                     |            |           |               |           |
| O10-27-55 106157 224725                | 15                     | NON-AI DAUGHTERS | 29        | 13,905    | 4.4                 | 613        |           |               |           |
| AI STUO, 35-75 LISTED, DB-63           | 14                     | WITH HERD-MATES  | 24        | 14,011    | 4.4                 | 615        | 4         | 11,327        | 484       |
| STATES- 42,47,84                       |                        |                  |           |           |                     |            | DIFF.     | 2684          | 131       |
| 125539 .....                           |                        |                  |           |           |                     |            |           |               |           |
| AI STUO, 21-01 LISTED, DB-63           | 30                     | AI DAUGHTERS     | 38        | 10,777    | 4.1                 | 440        |           |               |           |
| STATES- 13,16,21                       | 29                     | WITH HERD-MATES  | 37        | 10,926    | 4.1                 | 445        | 12        | 10,888        | 445       |
|  |                        |                  |           |           |                     |            | DIFF.     | 38            |           |
| 125542 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 32,33,58                       | 5                      | NON-AI DAUGHTERS | 8         | 11,321    | 3.9                 | 441        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 8         | 11,321    | 3.9                 | 441        | 9         | 11,298        | 448       |
|  |                        |                  |           |           |                     |            | DIFF.     | 23            | 7-        |
| 125640 WAVENEY-S LADDIE G.....         |                        |                  |           |           |                     |            |           |               |           |
| D2-D4-56 91609 210953                  | 2                      | AI DAUGHTERS     | 2         | 11,820    | 3.8                 | 454        |           |               |           |
| AI STUO, 16-04 LISTED, DB-63           | 2                      | WITH HERD-MATES  | 2         | 11,820    | 3.8                 | 454        | 14        | 12,720        | 542       |
| STATES- 14,16,21,50                    |                        |                  |           |           |                     |            | DIFF.     | 900-          | 88-       |
|  | 9                      | NON-AI DAUGHTERS | 14        | 11,167    | 4.3                 | 482        | 12        | 10,912        | 446       |
|  | 9                      | WITH HERD-MATES  | 14        | 11,167    | 4.3                 | 482        | DIFF.     | 255           | 36        |
| 125694 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 61                             | 7                      | NON-AI DAUGHTERS | 7         | 11,740    | 3.9                 | 461        |           |               |           |
|  | 7                      | WITH HERD-MATES  | 7         | 11,740    | 3.9                 | 461        | 9         | 11,913        | 487       |
|  |                        |                  |           |           |                     |            | DIFF.     | 173-          | 26-       |
| 125725 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 16,51,55,56                    | 5                      | NON-AI DAUGHTERS | 9         | 10,853    | 4.3                 | 465        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 8         | 10,839    | 4.3                 | 463        | 9         | 10,787        | 448       |
|  |                        |                  |           |           |                     |            | DIFF.     | 52            | 15        |
| 125898 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                             | 7                      | NON-AI DAUGHTERS | 9         | 13,700    | 4.2                 | 570        |           |               |           |
|  | 7                      | WITH HERD-MATES  | 9         | 13,700    | 4.2                 | 570        | 18        | 13,578        | 573       |
|  |                        |                  |           |           |                     |            | DIFF.     | 122           | 3-        |
| 126055 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 16,31                          | 6                      | NON-AI DAUGHTERS | 6         | 11,130    | 4.4                 | 490        |           |               |           |
|  | 6                      | WITH HERD-MATES  | 6         | 11,130    | 4.4                 | 490        | 10        | 13,739        | 579       |
|  |                        |                  |           |           |                     |            | DIFF.     | 2609-         | 89-       |
| 126085 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 46                             | 6                      | NON-AI DAUGHTERS | 7         | 9,862     | 4.5                 | 445        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 6         | 9,442     | 4.5                 | 421        | 4         | 10,943        | 460       |
|  |                        |                  |           |           |                     |            | DIFF.     | 1501-         | 39-       |
| 126100 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41                             | 5                      | NON-AI DAUGHTERS | 5         | 9,946     | 4.0                 | 402        |           |               |           |
|  | 5                      | WITH HERD-MATES  | 5         | 9,946     | 4.0                 | 402        | 6         | 9,294         | 359       |
|  |                        |                  |           |           |                     |            | DIFF.     | 652           | 43        |
| 126143 HILLWINDS VALIANT MASTER.....   |                        |                  |           |           |                     |            |           |               |           |
| O7-10-56 106902 276401                 | 12                     | AI DAUGHTERS     | 17        | 8,595     | 4.2                 | 360        |           |               |           |
| AI STUO, 35-03 LISTED, DB-63           | 12                     | WITH HERD-MATES  | 16        | 8,700     | 4.2                 | 367        | 12        | 9,948         | 408       |
| STATES- 35,45,51                       |                        |                  |           |           |                     |            | DIFF.     | 1248-         | 41-       |
| 126177 .....                           |                        |                  |           |           |                     |            |           |               |           |
| STATES- 31                             | 10                     | NON-AI DAUGHTERS | 17        | 13,886    | 4.2                 | 583        |           |               |           |
|  | 10                     | WITH HERD-MATES  | 17        | 13,886    | 4.2                 | 583        | 6         | 11,797        | 507       |
|  |                        |                  |           |           |                     |            | DIFF.     | 2089          | 76        |



## SIREs OF DHIA DAUGHTERS

| BROWN SWISS                  |                            |    |                  | AV. RECORDS | PRDUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 FAT L8 |     |
|------------------------------|----------------------------|----|------------------|-------------|----------------------|--------|-------------|-----------------|--------------------|------------|------------------------------|-----|
| 126457                       | .....                      | 5  | NON-AI DAUGHTERS | 5           | 11,086               | 4.3    | 477         |                 |                    |            |                              |     |
| STATES- 14,16                |                            | 3  | WITH HERD-MATES  | 3           | 11,643               | 4.5    | 521         | 12              | 10,826             | 451        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 817                | 70         |                              |     |
| 126554                       | .....                      | 5  | NON-AI DAUGHTERS | 9           | 12,914               | 4.0    | 520         |                 |                    |            |                              |     |
| STATES- 35,84                |                            | 5  | WITH HERD-MATES  | 9           | 12,914               | 4.0    | 520         | 8               | 11,807             | 488        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 1107               | 32         |                              |     |
| 126555                       | V. 8. COUNT RDULETTE. .... |    |                  |             |                      |        |             |                 |                    |            |                              |     |
| D1-D7-56                     | 116500 161698              | 19 | NON-AI DAUGHTERS | 31          | 13,393               | 3.8    | 512         |                 |                    |            |                              |     |
| AI STUD, 35-75 LISTED, D8-63 |                            | 19 | WITH HERD-MATES  | 31          | 13,393               | 3.8    | 512         | 11              | 11,550             | 456        |                              |     |
| STATES- 35                   |                            |    |                  |             |                      |        |             | DIFF.           | 1843               | 56         |                              |     |
| 126599                       | .....                      | 7  | NON-AI DAUGHTERS | 9           | 11,917               | 4.2    | 505         |                 |                    |            |                              |     |
| STATES- 32,34,35,51,63       |                            | 7  | WITH HERD-MATES  | 8           | 11,928               | 4.2    | 504         | 8               | 10,498             | 431        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 1430               | 73         |                              |     |
| 126600                       | .....                      | 51 | AI DAUGHTERS     | 66          | 10,572               | 3.9    | 416         |                 |                    |            |                              |     |
| AI STUD, 35-D5 LISTED, D8-63 |                            | 51 | WITH HERD-MATES  | 66          | 10,572               | 3.9    | 416         | 12              | 10,676             | 444        | 10,661                       | 419 |
| STATES- 33,35,41,48,56,65    |                            |    |                  |             |                      |        |             | DIFF.           | 104-               | 28-        |                              |     |
|                              |                            | 1  | NON-AI DAUGHTERS | 1           | 6,490                | 4.8    | 313         |                 |                    |            |                              |     |
|                              |                            | 1  | WITH HERD-MATES  | 1           | 6,490                | 4.8    | 313         | 5               | 9,143              | 380        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 2653-              | 67-        |                              |     |
| 126863                       | .....                      | 6  | NON-AI DAUGHTERS | 6           | 12,332               | 4.3    | 534         |                 |                    |            |                              |     |
| STATES- 21                   |                            | 6  | WITH HERD-MATES  | 6           | 12,332               | 4.3    | 534         | 11              | 13,035             | 554        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 703-               | 20-        |                              |     |
| 126931                       | LEE-S HILL KHEDIVE J. .... |    |                  |             |                      |        |             |                 |                    |            |                              |     |
| D9-20-56                     | 122787 228051              | 6  | NON-AI DAUGHTERS | 6           | 10,442               | 4.2    | 439         |                 |                    |            |                              |     |
| AI STUD, 42-D2 LISTED, D8-63 |                            | 6  | WITH HERD-MATES  | 6           | 10,442               | 4.2    | 439         | 10              | 10,969             | 451        |                              |     |
| STATES- 33,35,42,51          |                            |    |                  |             |                      |        |             | DIFF.           | 527-               | 12-        |                              |     |
| 127276                       | .....                      | 5  | NON-AI DAUGHTERS | 5           | 9,922                | 4.4    | 432         |                 |                    |            |                              |     |
| STATES- 41                   |                            | 3  | WITH HERD-MATES  | 3           | 10,403               | 4.2    | 442         | 6               | 11,279             | 435        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 876-               | 7          |                              |     |
| 127409                       | .....                      | 8  | NON-AI DAUGHTERS | 9           | 10,463               | 4.1    | 431         |                 |                    |            |                              |     |
| STATES- 81,91                |                            | 8  | WITH HERD-MATES  | 9           | 10,463               | 4.1    | 431         | 7               | 10,020             | 411        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 443                | 20         |                              |     |
| 127469                       | .....                      | 6  | NON-AI DAUGHTERS | 6           | 14,635               | 4.2    | 609         |                 |                    |            |                              |     |
| STATES- 31                   |                            | 6  | WITH HERD-MATES  | 6           | 14,635               | 4.2    | 609         | 5               | 12,436             | 488        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 2199               | 121        |                              |     |
| 127728                       | .....                      | 6  | NON-AI DAUGHTERS | 6           | 10,652               | 4.0    | 431         |                 |                    |            |                              |     |
| STATES- 13,21,56             |                            | 6  | WITH HERD-MATES  | 6           | 10,652               | 4.0    | 431         | 14              | 10,489             | 435        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 163                | 4-         |                              |     |
| 127853                       | NORVIC MASTER INMAN. ....  |    |                  |             |                      |        |             |                 |                    |            |                              |     |
| D9-10-56                     | 106902 175029              | 5  | NON-AI DAUGHTERS | 6           | 10,909               | 4.1    | 446         |                 |                    |            |                              |     |
| AI STUD, 48-01 LISTED, D8-63 |                            | 3  | WITH HERD-MATES  | 3           | 13,383               | 4.1    | 549         | 8               | 12,686             | 505        |                              |     |
| STATES- 48                   |                            |    |                  |             |                      |        |             | DIFF.           | 697                | 44         |                              |     |
| 128012                       | .....                      | 10 | NON-AI DAUGHTERS | 10          | 10,353               | 4.3    | 446         |                 |                    |            |                              |     |
| STATES- 31                   |                            | 10 | WITH HERD-MATES  | 10          | 10,353               | 4.3    | 446         | 13              | 9,738              | 421        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 615                | 25         |                              |     |
| 128015                       | .....                      | 5  | NON-AI DAUGHTERS | 5           | 12,766               | 4.0    | 517         |                 |                    |            |                              |     |
| STATES- 91                   |                            | 5  | WITH HERD-MATES  | 5           | 12,766               | 4.0    | 517         | 4               | 12,116             | 531        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 650                | 14-        |                              |     |
| 128158                       | .....                      | 5  | NON-AI DAUGHTERS | 5           | 8,340                | 4.2    | 349         |                 |                    |            |                              |     |
| STATES- 35                   |                            | 5  | WITH HERD-MATES  | 5           | 8,340                | 4.2    | 349         | 7               | 10,725             | 422        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 2385-              | 73-        |                              |     |
| 128215                       | .....                      | 5  | NON-AI DAUGHTERS | 6           | 8,406                | 4.0    | 337         |                 |                    |            |                              |     |
| STATES- 52                   |                            | 4  | WITH HERD-MATES  | 5           | 7,998                | 4.1    | 328         | 22              | 10,169             | 412        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 2171-              | 84-        |                              |     |
| 128271                       | .....                      | 5  | NON-AI DAUGHTERS | 5           | 12,860               | 4.2    | 536         |                 |                    |            |                              |     |
| STATES- 14,16                |                            | 4  | WITH HERD-MATES  | 4           | 14,825               | 4.1    | 614         | 15              | 14,719             | 610        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 106                | 4          |                              |     |
| 128498                       | .....                      | 5  | NON-AI DAUGHTERS | 5           | 15,034               | 4.2    | 632         |                 |                    |            |                              |     |
| STATES- 35                   |                            | 5  | WITH HERD-MATES  | 5           | 15,034               | 4.2    | 632         | 23              | 12,308             | 511        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 2726               | 121        |                              |     |
| 128613                       | .....                      | 6  | NON-AI DAUGHTERS | 6           | 12,490               | 4.4    | 553         |                 |                    |            |                              |     |
| STATES- 31                   |                            | 6  | WITH HERD-MATES  | 6           | 12,490               | 4.4    | 553         | 2               | 12,182             | 508        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 308                | 45         |                              |     |
| 128620                       | .....                      | 6  | NON-AI DAUGHTERS | 7           | 11,233               | 4.0    | 446         |                 |                    |            |                              |     |
| STATES- 34                   |                            | 6  | WITH HERD-MATES  | 7           | 11,233               | 4.0    | 446         | 7               | 11,660             | 473        |                              |     |
|                              |                            |    |                  |             |                      |        |             | DIFF.           | 427-               | 27-        |                              |     |

## SIRE OF DHIA DAUGHTERS

| BROWN SWISS                             | AV. PRODUCTION OF DAU. |                  |           |           | AOJ. HERD-MATES AV. |            |             | PREDICTED AV.   |            |
|---|------------------------|------------------|-----------|-----------|---------------------|------------|-------------|-----------------|------------|
|   | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB   | MILK<br>LB      | FAT<br>LB  |
| 128637 .....                            | 5                      | NDN-AI DAUGHTERS | 6         | 9,337     | 4.0                 | 374        |             |                 |            |
| STATES- 23,31,34                        | 5                      | WITH HERD-MATES  | 6         | 9,337     | 4.0                 | 374        | 2<br>OIFF.  | 10,609<br>1272- | 435<br>61- |
| 128715 .....                            | 5                      | NDN-AI DAUGHTERS | 5         | 7,830     | 4.7                 | 367        |             |                 |            |
| STATES- 33                              | 5                      | WITH HERD-MATES  | 5         | 7,830     | 4.7                 | 367        | 3<br>OIFF.  | 9,064<br>1234-  | 408<br>41- |
| 128828 .....                            | 11                     | NDN-AI DAUGHTERS | 11        | 8,617     | 3.9                 | 336        |             |                 |            |
| STATES- 31,61                           | 11                     | WITH HERD-MATES  | 11        | 8,617     | 3.9                 | 336        | 5<br>OIFF.  | 10,552<br>1935- | 421<br>85- |
| 128897 .....                            | 5                      | NDN-AI DAUGHTERS | 5         | 11,962    | 4.4                 | 523        |             |                 |            |
| STATES- 35                              | 5                      | WITH HERD-MATES  | 5         | 11,962    | 4.4                 | 523        | 11<br>OIFF. | 12,141<br>179-  | 501<br>22  |
| 128898 .....                            | 8                      | NDN-AI DAUGHTERS | 8         | 11,391    | 4.5                 | 517        |             |                 |            |
| STATES- 42                              | 8                      | WITH HERD-MATES  | 8         | 11,391    | 4.5                 | 517        | 7<br>OIFF.  | 11,717<br>326-  | 524<br>7-  |
| 128912 .....                            | 5                      | NDN-AI DAUGHTERS | 5         | 11,652    | 4.3                 | 502        |             |                 |            |
| STATES- 33,48                           | 5                      | WITH HERD-MATES  | 5         | 11,652    | 4.3                 | 502        | 4<br>DIFF.  | 10,301<br>1351  | 436<br>66  |
| 129056 .....                            | 5                      | NDN-AI DAUGHTERS | 5         | 12,020    | 4.1                 | 493        |             |                 |            |
| STATES- 33                              | 5                      | WITH HERD-MATES  | 5         | 12,020    | 4.1                 | 493        | 7<br>OIFF.  | 11,763<br>257   | 496<br>3-  |
| 129124 .....                            | 6                      | NDN-AI DAUGHTERS | 6         | 9,078     | 3.8                 | 346        |             |                 |            |
| STATES- 34                              | 6                      | WITH HERD-MATES  | 6         | 9,078     | 3.8                 | 346        | 10<br>OIFF. | 10,455<br>1377- | 426<br>80- |
| 129142 .....                            | 6                      | NDN-AI DAUGHTERS | 7         | 9,168     | 4.3                 | 397        |             |                 |            |
| STATES- 33                              | 6                      | WITH HERD-MATES  | 7         | 9,168     | 4.3                 | 397        | 9<br>OIFF.  | 9,514<br>346-   | 393<br>4   |
| 129147 .....                            | 5                      | NDN-AI DAUGHTERS | 7         | 11,151    | 4.2                 | 466        |             |                 |            |
| STATES- 42,46                           | 5                      | WITH HERD-MATES  | 7         | 11,151    | 4.2                 | 466        | 3<br>OIFF.  | 10,217<br>934   | 404<br>62  |
| 129150 .....                            | 7                      | NDN-AI DAUGHTERS | 7         | 11,720    | 4.3                 | 504        |             |                 |            |
| STATES- 23                              | 7                      | WITH HERD-MATES  | 7         | 11,720    | 4.3                 | 504        | 13<br>DIFF. | 10,835<br>885   | 468<br>36  |
| 129192 .....                            | 7                      | NDN-AI DAUGHTERS | 7         | 12,970    | 3.8                 | 490        |             |                 |            |
| STATES- 82                              | 7                      | WITH HERD-MATES  | 7         | 12,970    | 3.8                 | 490        | 10<br>OIFF. | 10,627<br>2343  | 423<br>67  |
| 129292 .....                            | 7                      | NDN-AI DAUGHTERS | 7         | 10,354    | 4.1                 | 426        |             |                 |            |
| STATES- 46                              | 7                      | WITH HERD-MATES  | 7         | 10,354    | 4.1                 | 426        | 5<br>OIFF.  | 10,682<br>328-  | 435<br>9-  |
| 129416 .....                            | 3                      | AI DAUGHTERS     | 3         | 10,133    | 4.4                 | 443        |             |                 |            |
| AI STUD, 22-03                          | 3                      | WITH HERD-MATES  | 3         | 10,133    | 4.4                 | 443        | 13<br>OIFF. | 9,744<br>389    | 410<br>33  |
| STATES- 22,23,35,55,74                  | 4                      | NDN-AI DAUGHTERS | 5         | 7,170     | 4.2                 | 300        |             |                 |            |
|   | 4                      | WITH HERD-MATES  | 5         | 7,170     | 4.2                 | 300        | 12<br>OIFF. | 9,702<br>2532-  | 390<br>90- |
| 129581 .....                            | 9                      | NDN-AI DAUGHTERS | 9         | 13,186    | 4.1                 | 543        |             |                 |            |
| STATES- 31                              | 9                      | WITH HERD-MATES  | 9         | 13,186    | 4.1                 | 543        | 10<br>OIFF. | 12,819<br>367   | 526<br>17  |
| 129605 .....                            | 7                      | NDN-AI DAUGHTERS | 8         | 8,516     | 4.3                 | 362        |             |                 |            |
| STATES- 41                              | 7                      | WITH HERD-MATES  | 8         | 8,516     | 4.3                 | 362        | 8<br>DIFF.  | 10,582<br>2066- | 413<br>51- |
| 129630 OSTVAL-S NA808-S EL CAPITAN..... | 70                     | AI DAUGHTERS     | 75        | 11,365    | 4.1                 | 469        |             |                 |            |
| 04-27-57 102073 245475                  | 67                     | WITH HERD-MATES  | 72        | 11,398    | 4.1                 | 471        | 10<br>OIFF. | 11,626<br>228-  | 477<br>6-  |
| AI STUD, 21-01 LISTED, 08-63            |                        |                  |           |           |                     |            |             | 10,632          | 439        |
| STATES- 13,14,21,23                     |                        |                  |           |           |                     |            |             |                 |            |
| 129730 .....                            | 34                     | AI DAUGHTERS     | 34        | 11,218    | 4.1                 | 460        |             |                 |            |
| AI STUD, 23-05                          | 29                     | WITH HERD-MATES  | 29        | 11,220    | 4.1                 | 463        | 9<br>DIFF.  | 11,337<br>117-  | 476<br>13- |
| STATES- 23,51                           | 1                      | NDN-AI DAUGHTERS | 1         | 7,830     | 4.7                 | 371        |             |                 |            |
|   | 1                      | WITH HERD-MATES  | 1         | 7,830     | 4.7                 | 371        | 10<br>OIFF. | 10,440<br>2610- | 454<br>83- |
| 129888 .....                            | 5                      | NDN-AI DAUGHTERS | 5         | 10,436    | 4.0                 | 418        |             |                 |            |
| STATES- 43                              | 5                      | WITH HERD-MATES  | 5         | 10,436    | 4.0                 | 418        | 16<br>DIFF. | 10,311<br>125   | 393<br>25  |
| 129988 .....                            | 5                      | NDN-AI DAUGHTERS | 5         | 7,324     | 4.6                 | 340        |             |                 |            |
| STATES- 33                              | 5                      | WITH HERD-MATES  | 5         | 7,324     | 4.6                 | 340        | 5<br>OIFF.  | 8,220<br>896-   | 347<br>7-  |

## SIRE OF DHIA DAUGHTERS

| BRDWN SWISS                            | AV. PRODUCTION OF |                  |      |        | ADJ. HERD-MATES | AV. MILK | FAT   | PREDICTED AV. |      |
|--|-------------------|------------------|------|--------|-----------------|----------|-------|---------------|------|
|  | RECORDS           | MILK             | TEST | FAT    |                 |          |       | MILK          | FAT  |
|  | NUMBER            | LB               | %    | LB     | NUMBER          | LB       | LB    | LB            | LB   |
| 129997 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 11,13,21,51                    | 6                 | NDN-AI DAUGHTERS | 9    | 10,284 | 4.1             | 421      |       |               |      |
|  | 6                 | WITH HERD-MATES  | 8    | 10,581 | 4.1             | 437      | 15    | 11,125        | 468  |
|  |                   |                  |      |        |                 |          | DIFF. | 544-          | 31-  |
| 130167 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 21                             | 5                 | NON-AI DAUGHTERS | 5    | 10,696 | 4.3             | 455      |       |               |      |
|  | 5                 | WITH HERD-MATES  | 5    | 10,696 | 4.3             | 455      | 5     | 13,143        | 560  |
|  |                   |                  |      |        |                 |          | DIFF. | 2447-         | 105- |
| 130238 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 56                             | 11                | NDN-AI DAUGHTERS | 11   | 9,883  | 4.2             | 415      |       |               |      |
| 130496 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 32                             | 6                 | NON-AI DAUGHTERS | 6    | 11,772 | 4.0             | 467      |       |               |      |
|  | 6                 | WITH HERD-MATES  | 6    | 11,772 | 4.0             | 467      | 9     | 12,168        | 504  |
|  |                   |                  |      |        |                 |          | DIFF. | 396-          | 37-  |
| 130598 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 31                             | 6                 | NDN-AI DAUGHTERS | 6    | 10,228 | 3.8             | 391      |       |               |      |
|  | 6                 | WITH HERD-MATES  | 6    | 10,228 | 3.8             | 391      | 6     | 9,719         | 385  |
|  |                   |                  |      |        |                 |          | DIFF. | 509           | 6    |
| 130713 HIGH MEADOW JFSSE-S REGENT..... |                   |                  |      |        |                 |          |       |               |      |
| 05-24-56 53929 281547                  | 6                 | NDN-AI DAUGHTERS | 10   | 13,519 | 4.6             | 617      |       |               |      |
| AI STUD, 41-04 LISTED, 08-63           | 6                 | WITH HERD-MATES  | 10   | 13,519 | 4.6             | 617      | 17    | 12,773        | 549  |
| STATES- 16                             |                   |                  |      |        |                 |          | DIFF. | 746           | 68   |
| 130815 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 56,57                          | 6                 | NDN-AI DAUGHTERS | 6    | 13,173 | 3.7             | 490      |       |               |      |
|  | 6                 | WITH HERD-MATES  | 6    | 13,173 | 3.7             | 490      | 35    | 10,552        | 406  |
|  |                   |                  |      |        |                 |          | DIFF. | 2621          | 84   |
| 131138 MEADOW VIEW LANCELOT C.....     |                   |                  |      |        |                 |          |       |               |      |
| 03-24-57 106157 206636                 | 9                 | NON-AI DAUGHTERS | 9    | 15,148 | 4.0             | 605      |       |               |      |
| AI STUD, 41-25 LISTED, 08-63           | 9                 | WITH HERD-MATES  | 9    | 15,148 | 4.0             | 605      | 14    | 11,934        | 487  |
| STATES- 42                             |                   |                  |      |        |                 |          | DIFF. | 3214          | 118  |
| 131160 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 31                             | 5                 | NDN-AI DAUGHTERS | 5    | 14,342 | 4.3             | 622      |       |               |      |
|  | 5                 | WITH HERD-MATES  | 5    | 14,342 | 4.3             | 622      | 3     | 11,529        | 484  |
|  |                   |                  |      |        |                 |          | DIFF. | 2813          | 138  |
| 131202 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 35                             | 7                 | NDN-AI DAUGHTERS | 7    | 7,639  | 4.5             | 341      |       |               |      |
|  | 7                 | WITH HERD-MATES  | 7    | 7,639  | 4.5             | 341      | 3     | 8,376         | 352  |
|  |                   |                  |      |        |                 |          | DIFF. | 737-          | 11-  |
| 131263 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 42                             | 5                 | NDN-AI DAUGHTERS | 5    | 12,530 | 4.5             | 564      |       |               |      |
|  | 5                 | WITH HERD-MATES  | 5    | 12,530 | 4.5             | 564      | 8     | 10,425        | 452  |
|  |                   |                  |      |        |                 |          | DIFF. | 2105          | 112  |
| 131326 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 41                             | 5                 | NDN-AI DAUGHTERS | 5    | 7,024  | 4.3             | 304      |       |               |      |
|  | 5                 | WITH HERD-MATES  | 5    | 7,024  | 4.3             | 304      | 9     | 8,748         | 345  |
|  |                   |                  |      |        |                 |          | DIFF. | 1724-         | 41-  |
| 131434 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 33,35,74                       | 5                 | NDN-AI DAUGHTERS | 5    | 9,342  | 4.1             | 379      |       |               |      |
|  | 5                 | WITH HERD-MATES  | 5    | 9,342  | 4.1             | 379      | 11    | 11,051        | 437  |
|  |                   |                  |      |        |                 |          | DIFF. | 1709-         | 58-  |
| 131458 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 32,35                          | 5                 | NDN-AI DAUGHTERS | 5    | 9,438  | 4.0             | 380      |       |               |      |
|  | 5                 | WITH HERD-MATES  | 5    | 9,438  | 4.0             | 380      | 6     | 10,054        | 405  |
|  |                   |                  |      |        |                 |          | DIFF. | 616-          | 25-  |
| 131578 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 48                             | 5                 | NON-AI DAUGHTERS | 6    | 11,845 | 4.3             | 509      |       |               |      |
|  | 5                 | WITH HERD-MATES  | 6    | 11,845 | 4.3             | 509      | 3     | 11,668        | 513  |
|  |                   |                  |      |        |                 |          | DIFF. | 177           | 4-   |
| 131822 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 31,32                          | 8                 | NDN-AI DAUGHTERS | 9    | 12,103 | 4.1             | 492      |       |               |      |
|  | 8                 | WITH HERD-MATES  | 9    | 12,103 | 4.1             | 492      | 12    | 10,885        | 452  |
|  |                   |                  |      |        |                 |          | DIFF. | 1218          | 40   |
| 131962 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 45                             | 11                | NDN-AI DAUGHTERS | 11   | 9,056  | 4.5             | 406      |       |               |      |
|  | 10                | WITH HERD-MATES  | 10   | 9,091  | 4.5             | 413      | 11    | 9,681         | 401  |
|  |                   |                  |      |        |                 |          | DIFF. | 590-          | 12   |
| 132138 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 21                             | 6                 | NDN-AI DAUGHTERS | 6    | 9,282  | 4.5             | 416      |       |               |      |
|  | 6                 | WITH HERD-MATES  | 6    | 9,282  | 4.5             | 416      | 16    | 11,533        | 503  |
|  |                   |                  |      |        |                 |          | DIFF. | 2251-         | 87-  |
| 132308 HYCREST CELEBRATION.....        |                   |                  |      |        |                 |          |       |               |      |
| 07-10-57 76059 265478                  | 19                | AI DAUGHTERS     | 19   | 11,435 | 4.1             | 466      |       |               |      |
| AI STUD, 21-01 LISTED, 08-63           | 19                | WITH HERD-MATES  | 19   | 11,435 | 4.1             | 466      | 11    | 12,194        | 500  |
| STATES- 13,14,21                       |                   |                  |      |        |                 |          | DIFF. | 759-          | 34-  |
| 132658 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 56                             | 6                 | NDN-AI DAUGHTERS | 6    | 11,623 | 3.8             | 444      |       |               |      |
|  | 6                 | WITH HERD-MATES  | 6    | 11,623 | 3.8             | 444      | 19    | 9,090         | 354  |
|  |                   |                  |      |        |                 |          | DIFF. | 2533          | 90   |
| 132725 .....                           |                   |                  |      |        |                 |          |       |               |      |
| STATES- 42                             | 5                 | NDN-AI DAUGHTERS | 5    | 10,596 | 4.3             | 453      |       |               |      |
|  | 4                 | WITH HERD-MATES  | 4    | 10,975 | 4.3             | 470      | 10    | 10,664        | 434  |
|  |                   |                  |      |        |                 |          | DIFF. | 311           | 36   |



## SIRE OF OHIA DAUGHTERS

| BROWN SWISS      |                    | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|------------------|--------------------|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|                  |                    | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|                  |                    | NUMBER                 | LB     | %    | LB  |                     | LB     | LB  | LB            | LB  |
| 133087           | .....              |                        |        |      |     |                     |        |     |               |     |
|                  | 7 NON-AI DAUGHTERS | 8                      | 11,439 | 4.4  | 502 |                     |        |     |               |     |
| STATES- 23,52    | 7 WITH HERD-MATES  | 7                      | 11,531 | 4.4  | 506 | 5                   | 11,031 | 453 |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 500    | 53  |               |     |
| 133187           | .....              |                        |        |      |     |                     |        |     |               |     |
|                  | 6 NON-AI DAUGHTERS | 6                      | 9,887  | 4.4  | 434 |                     |        |     |               |     |
| STATES- 35       | 6 WITH HERD-MATES  | 6                      | 9,887  | 4.4  | 434 | 7                   | 10,371 | 420 |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 484-   | 14  |               |     |
| 133254           | .....              |                        |        |      |     |                     |        |     |               |     |
|                  | 6 NON-AI DAUGHTERS | 6                      | 11,660 | 4.6  | 533 |                     |        |     |               |     |
| STATES- 31       | 6 WITH HERD-MATES  | 6                      | 11,660 | 4.6  | 533 | 18                  | 11,578 | 509 |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 82     | 24  |               |     |
| 134764           | .....              |                        |        |      |     |                     |        |     |               |     |
|                  | 5 NON-AI DAUGHTERS | 5                      | 10,534 | 4.3  | 452 |                     |        |     |               |     |
| AI STU0, 33-02   | 5 WITH HERD-MATES  | 5                      | 10,534 | 4.3  | 452 | 7                   | 10,857 | 441 |               |     |
| STATES- 33,48,63 |                    |                        |        |      |     | DIFF.               | 323-   | 11  |               |     |
| 136056           | .....              |                        |        |      |     |                     |        |     |               |     |
|                  | 6 NON-AI DAUGHTERS | 6                      | 10,317 | 4.0  | 414 |                     |        |     |               |     |
| STATES- 33,35,64 | 6 WITH HERD-MATES  | 6                      | 10,317 | 4.0  | 414 | 8                   | 10,275 | 412 |               |     |
|                  |                    |                        |        |      |     | DIFF.               | 42     | 2   |               |     |

| SIRE'S OF DAUGHTERS                    |  |  |  | AV. RECORDS | PRODUCTION OF MILK |     | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB |         | AV. FAT LB |
|--|--|--|--|-------------|--------------------|-----|--------|-------------|-----------------|--------------------|------------|-----------------------|---------|------------|
| M. SINCETHURN                          |  |  |  |             | NUMBER             | LB  |        |             |                 |                    |            |                       | MILK LB | FAT LB     |
| 33047 .....                            |  |  |  | 5           | NON-AI DAUGHTERS   | 15  | 8,024  | 4.2         | 333             |                    |            |                       |         |            |
| STATES- 23,51,52                       |  |  |  | 3           | WITH HERD-MATES    | 10  | 7,718  | 4.1         | 315             | 12                 | 8,429      | 334                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 711-       | 19-                   |         |            |
| 56042 TYFARMS MATCHLESS BUO.....       |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 06-03-49 2315038 2417538               |  |  |  | 13          | NON-AI DAUGHTERS   | 18  | 8,615  | 3.7         | 320             |                    |            |                       |         |            |
| AI STUO, 87-01 LISTEO, 08-63           |  |  |  | 11          | WITH HERD-MATES    | 16  | 8,623  | 3.7         | 320             | 5                  | 8,848      | 334                   |         |            |
| STATES- 82,92                          |  |  |  |             |                    |     |        |             |                 | OIFF.              | 225-       | 14-                   |         |            |
| 61368 BLUE JACKET ROMEO - TWIN.....    |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 08-29-49 85896 1962887                 |  |  |  | 21          | NON-AI DAUGHTERS   | 34  | 9,544  | 4.1         | 387             |                    |            |                       |         |            |
| AI STUO, 48-01 LISTEO, 08-63           |  |  |  | 19          | WITH HERD-MATES    | 31  | 9,635  | 4.0         | 387             | 9                  | 9,595      | 391                   |         |            |
| STATES- 43,48,71,73                    |  |  |  |             |                    |     |        |             |                 | OIFF.              | 40         | 4-                    |         |            |
| 69925 WIENKEN-S ROAN MARQUIS.....      |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 11-10-49 95092 2376749                 |  |  |  | 10          | AI DAUGHTERS       | 19  | 7,110  | 4.0         | 282             |                    |            |                       |         |            |
| AI STUO, 48-01 LISTEO, 08-63           |  |  |  | 9           | WITH HERD-MATES    | 18  | 7,164  | 4.0         | 283             | 8                  | 8,759      | 324                   | 7,750   | 307        |
| STATES- 31,42,48                       |  |  |  |             |                    |     |        |             |                 | DIFF.              | 1595-      | 41-                   |         |            |
|  |  |  |  | 4           | NON-AI DAUGHTERS   | 8   | 6,817  | 4.0         | 276             |                    |            |                       |         |            |
|  |  |  |  | 4           | WITH HERD-MATES    | 8   | 6,817  | 4.0         | 276             | 6                  | 8,082      | 314                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 1265-      | 38-                   |         |            |
| 79581 LA FRAISE DUKE 30.....           |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 03-21-50 2213443 27761                 |  |  |  | 22          | NON-AI DAUGHTERS   | 28  | 8,904  | 4.0         | 354             |                    |            |                       |         |            |
| AI STUO, 35-05 LISTEO, 08-63           |  |  |  | 22          | WITH HERD-MATES    | 27  | 9,037  | 4.0         | 359             | 6                  | 8,115      | 313                   |         |            |
| STATES- 33,42,73                       |  |  |  |             |                    |     |        |             |                 | OIFF.              | 922        | 46                    |         |            |
| 102880 WIL0 EYES BARRINGTON REX.....   |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 02-18-51 2165380 113540                |  |  |  | 7           | AI DAUGHTERS       | 10  | 8,758  | 3.8         | 329             |                    |            |                       |         |            |
| AI STUO, 35-05 LISTEO, 08-63           |  |  |  | 7           | WITH HERD-MATES    | 10  | 8,758  | 3.8         | 329             | 14                 | 9,077      | 333                   | 8,314   | 323        |
| STATES- 35,42,43                       |  |  |  |             |                    |     |        |             |                 | OIFF.              | 319-       | 4-                    |         |            |
|  |  |  |  | 1           | NON-AI DAUGHTERS   | 3   | 7,637  | 4.0         | 308             |                    |            |                       |         |            |
|  |  |  |  | 1           | WITH HERD-MATES    | 3   | 7,637  | 4.0         | 308             | 6                  | 9,012      | 372                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 1375-      | 64-                   |         |            |
| 111054 RETNUH STYLISH IMPERIAL.....    |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 05-13-51 43689 2098819                 |  |  |  | 18          | NON-AI DAUGHTERS   | 59  | 8,661  | 3.9         | 334             |                    |            |                       |         |            |
| AI STUO, 87-01 LISTEO, 08-63           |  |  |  | 17          | WITH HERD-MATES    | 46  | 8,723  | 3.9         | 337             | 2                  | 9,047      | 346                   |         |            |
| STATES- 82                             |  |  |  |             |                    |     |        |             |                 | OIFF.              | 324-       | 9-                    |         |            |
| 120013 HELCAM ROSETTE SPECULATION..... |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 06-23-50 1832 360260                   |  |  |  | 2           | AI DAUGHTERS       | 2   | 8,990  | 3.2         | 291             |                    |            |                       |         |            |
| AI STUO, 33-01 LISTEO, 08-63           |  |  |  | 2           | WITH HERD-MATES    | 2   | 8,990  | 3.2         | 291             | 3                  | 10,822     | 386                   | 8,182   | 312        |
| STATES- 23,31,35,48                    |  |  |  |             |                    |     |        |             |                 | DIFF.              | 1832-      | 95-                   |         |            |
|  |  |  |  | 43          | NON-AI DAUGHTERS   | 107 | 9,610  | 3.9         | 372             |                    |            |                       |         |            |
|  |  |  |  | 43          | WITH HERD-MATES    | 106 | 9,579  | 3.9         | 370             | 9                  | 8,750      | 336                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 829        | 34                    |         |            |
| 123099 WATERLOO WIL0 EMBLEM.....       |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 11-23-51 2486948 113541                |  |  |  | 8           | NON-AI DAUGHTERS   | 17  | 9,368  | 3.9         | 362             |                    |            |                       |         |            |
| AI STUO, 87-01 LISTEO, 08-63           |  |  |  | 8           | WITH HERD-MATES    | 17  | 9,368  | 3.9         | 362             | 6                  | 9,113      | 346                   |         |            |
| STATES- 82,92                          |  |  |  |             |                    |     |        |             |                 | OIFF.              | 255        | 16                    |         |            |
| 125260 ROCK HILL REDCOAT 30TH.....     |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 08-13-51 8395 2422071                  |  |  |  | 8           | AI DAUGHTERS       | 8   | 7,446  | 4.2         | 315             |                    |            |                       |         |            |
| AI STUO, 41-25 LISTEO, 08-63           |  |  |  | 8           | WITH HERD-MATES    | 8   | 7,446  | 4.2         | 315             | 11                 | 7,746      | 300                   | 8,259   | 329        |
| STATES- 23,35,41,42,51,52,63           |  |  |  |             |                    |     |        |             |                 | OIFF.              | 300-       | 15                    |         |            |
|  |  |  |  | 12          | NON-AI DAUGHTERS   | 23  | 8,760  | 4.3         | 373             |                    |            |                       |         |            |
|  |  |  |  | 8           | WITH HERD-MATES    | 19  | 9,642  | 4.2         | 402             | 13                 | 9,716      | 376                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 74-        | 26                    |         |            |
| 127671 BARRINGTON DOUBLE ARTHUR.....   |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 10-15-51 2165380 113543                |  |  |  | 10          | AI DAUGHTERS       | 22  | 9,205  | 3.9         | 356             |                    |            |                       |         |            |
| AI STUO, 41-01 LISTEO, 08-63           |  |  |  | 9           | WITH HERD-MATES    | 21  | 9,302  | 3.9         | 360             | 6                  | 9,329      | 352                   | 8,432   | 329        |
| STATES- 33,35,41,63                    |  |  |  |             |                    |     |        |             |                 | OIFF.              | 27-        | 8                     |         |            |
|  |  |  |  | 16          | NON-AI DAUGHTERS   | 42  | 9,728  | 3.6         | 355             |                    |            |                       |         |            |
|  |  |  |  | 14          | WITH HERD-MATES    | 38  | 9,650  | 3.7         | 355             | 5                  | 9,214      | 351                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 436        | 4                     |         |            |
| 127672 BARRINGTON PREMIER BATES.....   |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 12-07-51 216380 113539                 |  |  |  | 7           | AI DAUGHTERS       | 12  | 10,110 | 3.7         | 375             |                    |            |                       |         |            |
| AI STUO, 35-05 LISTEO, 08-63           |  |  |  | 7           | WITH HERD-MATES    | 12  | 10,110 | 3.7         | 375             | 13                 | 9,089      | 345                   | 8,797   | 336        |
| STATES- 35,71                          |  |  |  |             |                    |     |        |             |                 | OIFF.              | 1021       | 30                    |         |            |
| 128075 BARRINGTON DAIRYMASTER.....     |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 10-12-51 20476 2397703                 |  |  |  | 17          | AI DAUGHTERS       | 27  | 8,798  | 3.8         | 336             |                    |            |                       |         |            |
| AI STUO, 41-01 LISTEO, 08-63           |  |  |  | 16          | WITH HERD-MATES    | 26  | 8,694  | 3.8         | 333             | 6                  | 8,834      | 350                   | 8,350   | 316        |
| STATES- 41,42                          |  |  |  |             |                    |     |        |             |                 | OIFF.              | 140-       | 17-                   |         |            |
|  |  |  |  | 4           | NON-AI DAUGHTERS   | 7   | 7,940  | 3.7         | 291             |                    |            |                       |         |            |
|  |  |  |  | 4           | WITH HERD-MATES    | 7   | 7,940  | 3.7         | 291             | 7                  | 7,896      | 304                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | DIFF.              | 44         | 13-                   |         |            |
| 136611 .....                           |  |  |  | 5           | NON-AI DAUGHTERS   | 5   | 9,686  | 3.5         | 343             |                    |            |                       |         |            |
| STATES- 52                             |  |  |  | 5           | WITH HERD-MATES    | 5   | 9,686  | 3.5         | 343             | 3                  | 10,474     | 335                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | DIFF.              | 788-       | 8                     |         |            |
| 156918 .....                           |  |  |  | 5           | NON-AI DAUGHTERS   | 6   | 8,011  | 4.1         | 325             |                    |            |                       |         |            |
| STATES- 52,63                          |  |  |  | 5           | WITH HERD-MATES    | 6   | 8,011  | 4.1         | 325             | 10                 | 9,033      | 356                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 1022-      | 31-                   |         |            |
| 168495 WGOAK WIL0 EYES.....            |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 06-07-53 120361 70729                  |  |  |  | 3           | AI DAUGHTERS       | 3   | 7,817  | 4.1         | 323             |                    |            |                       |         |            |
| AI STUO, 41-01 LISTEO, 08-63           |  |  |  | 3           | WITH HERD-MATES    | 3   | 7,817  | 4.1         | 323             | 14                 | 8,810      | 335                   | 8,214   | 322        |
| STATES- 41,45                          |  |  |  |             |                    |     |        |             |                 | OIFF.              | 993-       | 12-                   |         |            |
|  |  |  |  | 17          | NON-AI DAUGHTERS   | 36  | 9,307  | 3.6         | 332             |                    |            |                       |         |            |
|  |  |  |  | 17          | WITH HERD-MATES    | 36  | 9,307  | 3.6         | 332             | 6                  | 9,492      | 357                   |         |            |
|  |  |  |  |             |                    |     |        |             |                 | OIFF.              | 185-       | 25-                   |         |            |
| 176159 BARRINGTON FIRELIGHT.....       |  |  |  |             |                    |     |        |             |                 |                    |            |                       |         |            |
| 11-06-53 2165380 18013                 |  |  |  | 13          | NON-AI DAUGHTERS   | 33  | 8,683  | 3.5         | 303             |                    |            |                       |         |            |
| AI STUO, 34-01 LISTEO, 08-63           |  |  |  | 13          | WITH HERD-MATES    | 33  | 8,683  | 3.5         | 303             | 6                  | 8,051      | 293                   |         |            |
| STATES- 34                             |  |  |  |             |                    |     |        |             |                 | OIFF.              | 632        | 10                    |         |            |

## SIRE OF DHIA DAUGHTERS

| M. SHORTHORN              |                                |    |                  |    | AV. RECORDS | AV. PRODUCTION OF MILK LB | OF TEST 2 | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|---------------------------|--------------------------------|----|------------------|----|-------------|---------------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 183510                    | EAGLES EYE SKYLIGHT.....       |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| 04-13-53                  | 70917 6D125                    | 11 | NDN-AI DAUGHTERS | 17 | 9,248       | 3.7                       | 344       |             |                 |                    |            |                       |        |
| AI STUO, 11-01            | LISTED, 08-63                  | 10 | WITH HERD-MATES  | 12 | 9,149       | 3.7                       | 338       |             |                 |                    |            |                       |        |
| STATES- 11,12             |                                |    |                  |    |             |                           |           |             | 6               | 8,394              | 324        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 755                | 14         |                       |        |
| 190G14                    | DOAN-S ROYAL KNIGHT.....       |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| D5-29-54                  | 22359 2353343                  | 16 | NON-AI DAUGHTERS | 33 | 9,473       | 3.9                       | 370       |             |                 |                    |            |                       |        |
| AI STUO, 34-01            | LISTED, 08-63                  | 15 | WITH HERD-MATES  | 31 | 9,454       | 3.9                       | 369       |             |                 |                    |            |                       |        |
| STATES- 32,34             |                                |    |                  |    |             |                           |           |             | 4               | 9,417              | 350        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 37                 | 19         |                       |        |
| 190D42                    | .....                          | 5  | NON-AI DAUGHTERS | 6  | 9,887       | 3.6                       | 360       |             |                 |                    |            |                       |        |
| STATES- 33                |                                |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| 191886                    | .....                          | 7  | NON-AI DAUGHTERS | 8  | 9,565       | 3.6                       | 349       |             |                 |                    |            |                       |        |
| STATES- 42                |                                | 6  | WITH HERD-MATES  | 6  | 9,635       | 3.7                       | 353       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 6               | 9,865              | 366        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 230-               | 13-        |                       |        |
| 192427                    | DRG-S WILOEYES WATERLOO.....   |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| 10-02-53                  | 17280 2136694                  | 32 | NDN-AI DAUGHTERS | 44 | 8,122       | 4.0                       | 321       |             |                 |                    |            |                       |        |
| AI STUO, 35-05            | LISTED, 08-63                  | 32 | WITH HERD-MATES  | 44 | 8,122       | 4.0                       | 321       |             |                 |                    |            |                       |        |
| STATES- 35,42,48,73       |                                |    |                  |    |             |                           |           |             | 16              | 7,855              | 312        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 267                | 9          |                       |        |
| 195910                    | .....                          | 5  | NDN-AI DAUGHTERS | 9  | 9,410       | 4.3                       | 404       |             |                 |                    |            |                       |        |
| STATES- 11                |                                | 5  | WITH HERD-MATES  | 8  | 9,720       | 4.3                       | 417       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 3               | 8,842              | 352        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 878                | 65         |                       |        |
| 19627D                    | .....                          | 6  | NON-AI DAUGHTERS | 9  | 10,463      | 3.7                       | 384       |             |                 |                    |            |                       |        |
| STATES- 92                |                                | 5  | WITH HERD-MATES  | 6  | 10,808      | 3.7                       | 403       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 1               | 10,089             | 376        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 719                | 27         |                       |        |
| 198488                    | .....                          | 5  | NON-AI DAUGHTERS | 6  | 7,911       | 4.1                       | 326       |             |                 |                    |            |                       |        |
| STATES- 11                |                                | 5  | WITH HERD-MATES  | 6  | 7,911       | 4.1                       | 326       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 6               | 7,318              | 301        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 593                | 25         |                       |        |
| 203661                    | WILLO LANE DAIRYMAN.....       |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| 02-05-55                  | 133185 2247564                 | 22 | NON-AI DAUGHTERS | 42 | 10,712      | 3.7                       | 394       |             |                 |                    |            |                       |        |
| AI STUO, 35-75            | LISTED, 08-63                  | 22 | WITH HERD-MATES  | 41 | 10,680      | 3.7                       | 393       |             |                 |                    |            |                       |        |
| STATES- 41                |                                |    |                  |    |             |                           |           |             | 5               | 10,684             | 401        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 4-                 | 8-         |                       |        |
| 217934                    | .....                          | 5  | NDN-AI DAUGHTERS | 5  | 9,072       | 3.7                       | 338       |             |                 |                    |            |                       |        |
| STATES- 12,14,43          |                                | 5  | WITH HERD-MATES  | 5  | 9,072       | 3.7                       | 338       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 8               | 9,357              | 358        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 285-               | 20-        |                       |        |
| 222050                    | .....                          | 5  | NON-AI DAUGHTERS | 5  | 9,374       | 3.7                       | 350       |             |                 |                    |            |                       |        |
| STATES- 35,63,73          |                                | 4  | WITH HERD-MATES  | 4  | 9,213       | 3.8                       | 346       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 10              | 8,942              | 337        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 271                | 9          |                       |        |
| 222385                    | BARRINGTON PRDGRESS.....       |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| D3-11-56                  | 216538D 113539                 | 15 | NON-AI DAUGHTERS | 22 | 8,630       | 3.9                       | 334       |             |                 |                    |            |                       |        |
| AI STUO, 41-25            | LISTED, 08-63                  | 15 | WITH HERD-MATES  | 22 | 8,630       | 3.9                       | 334       |             |                 |                    |            |                       |        |
| STATES- 35,41             |                                |    |                  |    |             |                           |           |             | 12              | 9,172              | 358        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 542-               | 24-        |                       |        |
| 227482                    | IFORO CAVALIER 71 ST.....      |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| 04-02-53                  | 362724 253170                  | 13 | AI DAUGHTERS     | 24 | 8,640       | 3.8                       | 325       |             |                 |                    |            |                       |        |
| AI STUO, 35-05            | LISTED, 08-63                  | 13 | WITH HERD-MATES  | 24 | 8,640       | 3.8                       | 325       |             |                 |                    |            |                       |        |
| STATES- 11,33,35,41,42,48 |                                |    |                  |    |             |                           |           |             | 11              | 8,466              | 318        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 174                | 7          |                       |        |
|                           |                                | 4  | NON-AI DAUGHTERS | 8  | 10,060      | 3.7                       | 377       |             |                 |                    |            |                       |        |
|                           |                                | 3  | WITH HERD-MATES  | 7  | 9,740       | 3.7                       | 357       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 10              | 9,987              | 373        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 247-               | 16-        |                       |        |
| 228867                    | .....                          | 7  | NDN-AI DAUGHTERS | 10 | 12,260      | 3.7                       | 449       |             |                 |                    |            |                       |        |
| STATES- 48                |                                | 7  | WITH HERD-MATES  | 10 | 12,260      | 3.7                       | 449       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 10              | 8,641              | 319        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 3619               | 130        |                       |        |
| 232746                    | .....                          | 5  | NON-AI DAUGHTERS | 5  | 7,168       | 4.3                       | 307       |             |                 |                    |            |                       |        |
| STATES- 11                |                                | 5  | WITH HERD-MATES  | 5  | 7,168       | 4.3                       | 307       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 7               | 7,721              | 316        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 553-               | 9-         |                       |        |
| 233921                    | FOXDALE ROBIN AOAIR.....       |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| 07-03-56                  | 79806 1DD31D                   | 5  | AI DAUGHTERS     | 5  | 9,094       | 3.8                       | 347       |             |                 |                    |            |                       |        |
| AI STUO, 33-01            | LISTED, 08-63                  | 3  | WITH HERD-MATES  | 3  | 9,997       | 3.7                       | 374       |             |                 |                    |            |                       |        |
| STATES- 33,42             |                                |    |                  |    |             |                           |           |             | 6               | 8,564              | 329        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 1433               | 45         |                       |        |
|                           |                                | 4  | NON-AI DAUGHTERS | 4  | 12,090      | 3.9                       | 475       |             |                 |                    |            |                       |        |
|                           |                                | 4  | WITH HERD-MATES  | 4  | 12,090      | 3.9                       | 475       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 6               | 9,535              | 357        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 2555               | 118        |                       |        |
| 234D50                    | .....                          | 6  | NON-AI DAUGHTERS | 7  | 8,467       | 3.9                       | 326       |             |                 |                    |            |                       |        |
| STATES- 92                |                                | 6  | WITH HERD-MATES  | 7  | 8,467       | 3.9                       | 326       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 10              | 9,147              | 352        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 680-               | 26-        |                       |        |
| 234388                    | .....                          | 5  | NDN-AI DAUGHTERS | 5  | 8,268       | 4.1                       | 339       |             |                 |                    |            |                       |        |
| STATES- 31                |                                | 5  | WITH HERD-MATES  | 5  | 8,268       | 4.1                       | 339       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 2               | 7,552              | 278        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 716                | 61         |                       |        |
| 234658                    | .....                          | 5  | NON-AI DAUGHTERS | 5  | 9,252       | 3.9                       | 358       |             |                 |                    |            |                       |        |
| STATES- 35                |                                | 5  | WITH HERD-MATES  | 5  | 9,252       | 3.9                       | 358       |             |                 |                    |            |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | 9               | 9,131              | 337        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 121                | 21         |                       |        |
| 237987                    | LILYOALE MARTAS CHESS 7TH..... |    |                  |    |             |                           |           |             |                 |                    |            |                       |        |
| 12-04-56                  | 195223 199270                  | 9  | NON-AI DAUGHTERS | 15 | 10,933      | 3.8                       | 412       |             |                 |                    |            |                       |        |
| AI STUO, 31-02            | LISTED, 08-63                  | 9  | WITH HERD-MATES  | 15 | 10,933      | 3.8                       | 412       |             |                 |                    |            |                       |        |
| STATES- 71                |                                |    |                  |    |             |                           |           |             | 9               | 10,561             | 401        |                       |        |
|                           |                                |    |                  |    |             |                           |           |             | DIFF.           | 372                | 11         |                       |        |



## SIRE OF DHIA DAUGHTERS

| M. SHORTHORN                         | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--------------------------------------|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                                      | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 239197 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 73                           | 5                      | NON-AI DAUGHTERS | 9         | 8,419     | 3.7                 | 313        |           |               |           |
|                                      | 5                      | WITH HERD-MATES  | 9         | 8,419     | 3.7                 | 313        | 5         | 8,749         | 325       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 330-          | 12-       |
| 241071 FOXDALE ROYAL ROBIN HOOD..... |                        |                  |           |           |                     |            |           |               |           |
| 01-07-57 38714 37819                 | 9                      | AI DAUGHTERS     | 11        | 8,423     | 3.8                 | 324        |           |               |           |
| AI STUD, 41-25 LISTED, 08-63         | 9                      | WITH HERD-MATES  | 11        | 8,423     | 3.8                 | 324        | 8         | 8,624         | 333       |
| STATES- 42                           |                        |                  |           |           |                     |            | DIFF.     | 201-          | 9-        |
| 8,330 321                            |                        |                  |           |           |                     |            |           |               |           |
| 243529 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                           | 5                      | NON-AI DAUGHTERS | 5         | 8,556     | 3.6                 | 305        |           |               |           |
|                                      | 5                      | WITH HERD-MATES  | 5         | 8,556     | 3.6                 | 305        | II        | 7,561         | 274       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 995           | 31        |
| 247628 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                           | 8                      | NON-AI DAUGHTERS | 8         | 9,856     | 3.8                 | 373        |           |               |           |
|                                      | 8                      | WITH HERD-MATES  | 8         | 9,856     | 3.8                 | 373        | 9         | 9,564         | 395       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 292           | 22-       |
| 247808 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42                           | 5                      | NON-AI DAUGHTERS | 5         | 7,986     | 4.0                 | 316        |           |               |           |
|                                      | 5                      | WITH HERD-MATES  | 5         | 7,986     | 4.0                 | 316        | 7         | 7,325         | 276       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 661           | 40        |
| 251731 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 81                           | 5                      | NON-AI DAUGHTERS | 5         | 9,044     | 3.8                 | 347        |           |               |           |
|                                      | 5                      | WITH HERD-MATES  | 5         | 9,044     | 3.8                 | 347        | 5         | 7,958         | 337       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 1086          | 10        |
| 253691 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 71                           | 5                      | NON-AI DAUGHTERS | 5         | 8,360     | 3.8                 | 317        |           |               |           |
|                                      | 5                      | WITH HERD-MATES  | 5         | 8,360     | 3.8                 | 317        | 13        | 7,886         | 312       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 474           | 5         |
| 255525 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42                           | 5                      | NON-AI DAUGHTERS | 5         | 5,910     | 3.7                 | 219        |           |               |           |
|                                      | 5                      | WITH HERD-MATES  | 5         | 5,910     | 3.7                 | 219        | 3         | 6,914         | 247       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 1004-         | 28-       |
| 261329 .....                         |                        |                  |           |           |                     |            |           |               |           |
| STATES- 41                           | 6                      | NON-AI DAUGHTERS | 6         | 6,188     | 3.8                 | 236        |           |               |           |
|                                      | 5                      | WITH HERD-MATES  | 5         | 6,750     | 3.9                 | 262        | 12        | 7,873         | 291       |
|                                      |                        |                  |           |           |                     |            | DIFF.     | 1123-         | 29-       |

## APPENDIX

TABLE 1.--SUMMARY OF RECORDS OF SIRES IN ARTIFICIAL-BREEDING SERVICE BY BREED

| BREED                    | AI SIRES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |     |
|--------------------------|--------------------|--------------------|-----------------------|------------|----------------|-----------------------|-----|--|-----|
|                          |                    | DAUGHTERS          |                       | HERD MATES |                |                       |     |  |     |
|                          |                    | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     |  |     |
| AYRSHIRE-----            | 28                 | 10,491             | 4.1                   | 428        | 10,148         | 4.1                   | 415 | 9,833  | 398 |
| GUERNSEY-----            | 193                | 8,732              | 4.8                   | 421        | 8,761          | 4.8                   | 420 | 8,441  | 407 |
| HOLSTEIN-----            | 493                | 12,939             | 3.7                   | 478        | 13,012         | 3.7                   | 478 | 12,199   | 450 |
| JERSEY-----              | 134                | 8,257              | 5.2                   | 431        | 8,287          | 5.2                   | 431 | 7,923  | 414 |
| BROWN SWISS---           | 54                 | 11,271             | 4.1                   | 464        | 11,032         | 4.1                   | 454 | 10,869   | 447 |
| SHORTHORN-----           | 11                 | 8,667              | 3.8                   | 330        | 8,920          | 3.8                   | 337 | 8,347  | 323 |
| TOTAL OR<br>AVERAGE----- | 913                | 11,137             | 4.1                   | 455        | 11,166         | 4.1                   | 454 |  |     |

TABLE 2.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

## AYRSHIRE

| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERO MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |  | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |  |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|--|--|--|
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERO MATES |                |                       |  |  |  |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |  |  |  |
| 8500 - 9499----                                 | 4               |  | 4                                 | 63  | 9,485              | 4.0 373               |            | 10,434         | 4.1 431               |  | 9,065 360  |  |
| 9500 -10499----                                 | 22              | 21   | 1                                 | 1,831                                     | 10,525             | 4.1 432               |            | 10,048         | 4.1 412               |  | 9,868 400  |  |
| 10500-11499----                                 | 2               | 2  |                                   | 371                                       | 12,133             | 4.0 488               |            | 10,674         | 4.0 429               |  | 10,976 443   |  |
| TOTAL OR<br>AVERAGE-----                        | 28              | 23   | 5                                 | 2,265                                     | 10,491             | 4.1 428               |            | 10,148         | 4.1 415               |  |  |  |

TABLE 3.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

## AYRSHIRE

| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |                |                       | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |  |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|----------------|-----------------------|--|--|
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       |                |                       |  |  |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |  |  |
| 350 - 374-----                                       | 3               |  | 3                                 | 61  | 9,343              | 4.0 372               | 10,432         | 4.1 427               | 8,941          |                       | 354  |  |
| 375 - 399-----                                       | 11              | 7  | 4                                 | 470                                       | 10,324             | 4.0 415               | 10,121         | 4.1 416               | 9,690          |                       | 387  |  |
| 400 - 424-----                                       | 12              | 12   |                                   | 1,454                                     | 10,749             | 4.1 444               | 10,081         | 4.1 412               | 10,032         |                       | 409  |  |
| 425 - 449-----                                       | 1               | 1  |                                   | 49  | 10,686             | 4.3 462               | 9,832          | 4.1 403               | 10,207         |                       | 432  |  |
| 450 - 474-----                                       | 1               | 1  |                                   | 231                                       | 12,497             | 4.1 511               | 10,707         | 4.0 430               | 11,312         |                       | 465  |  |
| TOTAL OR<br>AVERAGE-----                             | 28              | 21   | 7                                 | 2,265                                     | 10,491             | 4.1 428               | 10,148         | 4.1 415               |                |                       |  |  |

TABLE 4.—AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIREs IN ARTIFICIAL-BREEDING SERVICE, GROUPEd ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

## GUERNSEY

| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRE<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERO MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |  | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |  |
|---|----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|--|--|--|
|   |                |  |                                   |   | DAUGHTERS          |                       | HERD MATES |                |                       |  |  |  |
|   |                |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |  |  |  |
| 7500 - 8499----                                 | 120            | 20   | 100                               | 13,168                                    | 8,337              | 4.9 405               |            | 8,730          | 4.8 419               |  | 8,240 400  |  |
| 8500 - 9499----                                 | 72             | 72   |                                   | 5,680                                     | 9,364              | 4.8 447               |            | 8,806          | 4.8 422               |  | 8,757 420  |  |
| 9500 -10499----                                 | 1              | 1  |                                   | 163                                       | 10,721             | 4.6 491               |            | 9,224          | 4.8 447               |  | 9,896 450  |  |
| TOTAL OR<br>AVERAGE-----                        | 193            | 93   | 100                               | 19,011                                    | 8,732              | 4.8 421               |            | 8,761          | 4.8 420               |  |  |  |

TABLE 5.—AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIREs IN ARTIFICIAL-BREEDING SERVICE, GROUPEd ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

## GUERNSEY

| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRE<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERO MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |  |  | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |     |
|--|----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|--|--|--|-----|
|  |                |  |                                   |   | DAUGHTERS          |                       | HERO MATES     |                       |  |  |  |     |
|  |                |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |  |  |  |     |
| 350 - 374-----                                       | 4              |  | 4                                 | 982                                       | 7,875              | 4.6 360               | 8,636          | 4.8 411               |  |  | 7,871  | 369 |
| 375 - 399-----                                       | 53             |  | 53                                | 3,761                                     | 8,042              | 4.8 384               | 8,701          | 4.8 420               |  |  | 8,146  | 390 |
| 400 - 424-----                                       | 110            | 80   | 30                                | 10,783                                    | 8,925              | 4.8 431               | 8,769          | 4.8 420               |  |  | 8,497  | 411 |
| 425 - 449-----                                       | 22             | 22   |                                   | 2,505                                     | 9,351              | 4.9 461               | 8,839          | 4.8 425               |  |  | 8,804  | 432 |
| 450 - 474-----                                       | 4              | 4  |                                   | 980                                       | 10,025             | 4.8 486               | 9,031          | 4.8 434               |  |  | 9,402  | 455 |
| TOTAL OR<br>AVERAGE-----                             | 193            | 106  | 87                                | 19,011                                    | 8,732              | 4.8 421               | 8,761          | 4.8 420               |  |  |  |     |



TABLE 6.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

| HOLSTEIN  |                 |  |                                   |   |                    |                       |            |                |                       |     |                   |                |                     |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|-----|-------------------|----------------|---------------------|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |     | PREDICTED AVERAGE |                |                     |
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES |                | MILK                  |     | BUTTERFAT         |                | MILK<br>POUNDS      |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     |                   | MILK<br>POUNDS | BUTTERFAT<br>POUNDS |
| 10500-11499---                                  | 44              |  | 44                                | 5,904                                     | 11,722             | 3.8                   | 444        | 13,032         | 3.7                   | 479 |                   | 11,275         | 423                 |
| 11500-12499---                                  | 316             | 108  | 208                               | 73,432                                    | 12,685             | 3.7                   | 471        | 12,973         | 3.7                   | 477 |                   | 12,054         | 446                 |
| 12500-13499---                                  | 129             | 129  |                                   | 40,720                                    | 13,891             | 3.6                   | 505        | 13,062         | 3.7                   | 479 |                   | 12,826         | 466                 |
| 13500-14499---                                  | 4               | 4  |                                   | 1,254                                     | 15,699             | 3.5                   | 549        | 14,271         | 3.6                   | 517 |                   | 13,600         | 480                 |
| TOTAL OR<br>AVERAGE-----                        | 493             | 241  | 252                               | 121,310                                   | 12,939             | 3.7                   | 478        | 13,012         | 3.7                   | 478 |                   |                |                     |

TABLE 7.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

| HDLSTEIN   |                 |  |                                   |   |                    |                |            |                |                   |        |           |
|--|-----------------|--|-----------------------------------|---|--------------------|----------------|------------|----------------|-------------------|--------|-----------|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>PDUNOS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRDDJCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                |            |                | PREDICTED AVERAGE |        |           |
|  |                 |  |                                   |   | DAUGHTERS          |                | HERD MATES |                | MILK              |        | BUTTERFAT |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% | POUNDS     | MILK<br>POUNDS | BUTTERFAT<br>%    | POUNDS | POUNDS    |
| 375 - 399-----                                       | 3               |  | 3                                 | 1,156                                     | 11,342             | 3.7            | 419        | 12,965         | 3.7               | 484    | 10,758    |
| 400 - 424-----                                       | 39              |  | 39                                | 3,697                                     | 11,993             | 3.6            | 435        | 13,131         | 3.7               | 483    | 11,477    |
| 425 - 449-----                                       | 213             | 39   | 174                               | 40,061                                    | 12,463             | 3.7            | 457        | 12,909         | 3.7               | 475    | 11,975    |
| 450 - 474-----                                       | 187             | 184  | 3                                 | 60,448                                    | 13,391             | 3.7            | 498        | 13,063         | 3.7               | 479    | 12,421    |
| 475 - 499-----                                       | 50              | 50   |                                   | 15,888                                    | 14,055             | 3.7            | 527        | 13,138         | 3.7               | 482    | 12,953    |
| 500 - 524-----                                       | 1               | 1  |                                   | 60  | 15,869             | 4.0            | 629        | 14,504         | 3.9               | 565    | 13,465    |
| TOTAL OR<br>AVERAGE-----                             | 493             | 274  | 219                               | 121,310                                   | 12,939             | 3.7            | 478        | 13,012         | 3.7               | 478    |           |

TABLE 8.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

| JERSEY  |                 |  |                                   |   |                    |                       |     |                |                       |     |  |     |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|-----|----------------|-----------------------|-----|--|-----|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |     |                |                       |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |     |
|   |                 |  |                                   |   | DAUGHTERS          |                       |     | HERD MATES     |                       |     |  |     |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |     | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     |  |     |
| 6500 - 7499---                                  | 18              |  | 18                                | 1,447                                     | 7,225              | 5.4                   | 388 | 8,283          | 5.2                   | 431 | 7,316  | 392 |
| 7500 - 8499---                                  | 106             | 55   | 51                                | 6,526                                     | 8,301              | 5.2                   | 434 | 8,256          | 5.2                   | 430 | 7,948  | 416 |
| 8500 - 9499---                                  | 10              | 10   |                                   | 1,055                                     | 9,641              | 5.0                   | 485 | 8,626          | 5.2                   | 450 | 8,747  | 443 |
| TOTAL OR<br>AVERAGE-----                        | 134             | 65   | 69                                | 9,028                                     | 8,257              | 5.2                   | 431 | 8,287          | 5.2                   | 431 |  |     |

TABLE 9.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

| JERSEY   |                 |  |                                   |   |                    |                       |            |                |                       |     |  |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|-----|--|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES |                |                       |     |  |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     |  |
| 350 - 374-----                                       | 3               |  | 3                                 | 199                                       | 7,155              | 5.1                   | 363        | 8,393          | 5.2                   | 434 | 7,148 367  |
| 375 - 399-----                                       | 18              |  | 18                                | 512                                       | 7,284              | 5.2                   | 377        | 8,143          | 5.2                   | 424 | 7,492 391  |
| 400 - 424-----                                       | 80              | 37   | 43                                | 4,623                                     | 8,247              | 5.2                   | 431        | 8,253          | 5.2                   | 429 | 7,887 412  |
| 425 - 449-----                                       | 30              | 30   |                                   | 3,564                                     | 8,843              | 5.3                   | 465        | 8,451          | 5.2                   | 442 | 8,266 434  |
| 450 - 474-----                                       | 3               | 3  |                                   | 130                                       | 9,613              | 5.2                   | 503        | 8,310          | 5.2                   | 435 | 8,798 461  |
| TOTAL OR<br>AVERAGE-----                             | 134             | 70   | 64                                | 9,028                                     | 8,257              | 5.2                   | 431        | 8,287          | 5.2                   | 431 |  |

TABLE 10.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

| BROWN SWISS                                     |                 |  |                                   |   |                    |                       |            |                |                       |     |  |     |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|-----|--|-----|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |     |
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES |                |                       |     |  |     |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     |  |     |
| 9500 -10499---                                  | 12              |  | 12                                | 1,219                                     | 10,241             | 4.2                   | 428        | 10,924         | 4.1                   | 448 | 10,260   | 427 |
| 10500-11499---                                  | 35              | 23   | 12                                | 2,019                                     | 11,383             | 4.1                   | 467        | 11,087         | 4.1                   | 456 | 10,883   | 447 |
| 11500-12499---                                  | 7               | 7  |                                   | 340                                       | 12,476             | 4.1                   | 511        | 10,943         | 4.2                   | 456 | 11,846   | 482 |
| TOTAL OR<br>AVERAGE-----                        | 54              | 30   | 24                                | 3,578                                     | 11,271             | 4.1                   | 464        | 11,032         | 4.1                   | 454 |  |     |

TABLE 11.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

| BROWN SWISS  |                 |  |                                   |   |                    |                       |            |                |                       |     |  |     |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|-----|--|-----|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |     |
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES |                |                       |     |  |     |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     |  |     |
| 400 - 424-----                                       | 8               |  | 8                                 | 456                                       | 10,147             | 4.1                   | 415        | 10,872         | 4.1                   | 445 | 10,262   | 421 |
| 425 - 449-----                                       | 27              | 14   | 13                                | 1,804                                     | 11,128             | 4.1                   | 459        | 11,094         | 4.1                   | 457 | 10,697   | 440 |
| 450 - 474-----                                       | 13              | 13   |                                   | 976                                       | 11,743             | 4.1                   | 481        | 10,960         | 4.1                   | 451 | 11,198   | 460 |
| 475 - 499-----                                       | 6               | 6  |                                   | 342                                       | 12,386             | 4.2                   | 517        | 11,124         | 4.1                   | 461 | 11,740   | 486 |
| TOTAL OR<br>AVERAGE-----                             | 54              | 33   | 21                                | 3,578                                     | 11,271             | 4.1                   | 464        | 11,032         | 4.1                   | 454 |  |     |









